JVC

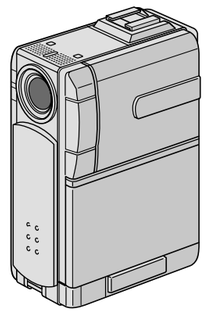
GR-DVP7U

JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVP7U



Mini DV NTSC

DSC DIGITAL STILL CAMERA

JVC SERVICE & ENGINEERING COMPANY OF AMERICA

DIVISION OF JVC AMERICAS CORP.

Head office	:	1700 Valley Road Wayne, New Jersey 07470-9976	(973)317-5000
East Coast	:	10 New Maple Avenue Pine Brook, New Jersey 07058-9641	(973)396-1000
Midwest	:	705 Enterprise Street Aurora, Illinois 60504-8149	(630)851-7855
West Coast	:	5665 Corporate Avenue Cypress, California 90630-0024	(714)229-8011
Atlanta	:	1500 Lakes Parkway Lawrenceville, Georgia 30043-5857	(770)339-2582
Hawaii	:	2969 Mapunapuna Place Honolulu, Hawaii 96819-2040	(808)833-5828

JVC CANADA INC.

Head office	:	21 Finchdene Square Scarborough, Ontario M1X 1A7	(416)293-1311
Montreal	:	16800 Rte Trans-Canadienne, Kirkland, Quebec H9H 5G7	(514)871-1311
Vancouver	:	13040 Worster Court Richmond, B.C. V6V 2B3	(604)270-1311

JVC

No. 86684

S40895-04

SPECIFICATIONS

Camcorder

For General

Power supply	: DC 6.3 V (Using AC Power Adapter/Charger) DC 7.2 V (Using battery pack)
Power consumption	
LCD monitor off, viewfinder on	: Approx. 4.2 W
LCD monitor on, viewfinder off	: Approx. 5.0 W
Dimensions (W x H x D)	: 43 mm x 115 mm x 80 mm (1-3/4″ x 4-9/16″ x 3-3/16″) (with the LCD monitor closed and the viewfinder pushed back in)
Weight	: Approx. 350 g (0.78 lbs) (without grip belt, battery and cassette) Approx. 420 g (0.93 lbs) (incl. grip belt, battery and cassette)
Operating temperature	: 0°C to 40°C (32°F to 104°F)
Operating humidity	: 35% to 80%
Storage temperature	: –20°C to 50°C (–4°F to 122°F)
Pickup	: 1/3.8″ CCD
Lens	: F 1.8, f = 3.8 mm to 38 mm, 10:1 power zoom lens (It is not possible to attach any lens filter or conversion lens.)
LCD monitor	: 2″ diagonally measured, LCD panel/TFT active matrix system
Viewfinder	: Electronic viewfinder with 0.44″ color LCD
Speaker	: Monaural

For Digital Video Camera

Format	: DV format (SD mode)
Signal format	: NTSC standard
Recording/Playback format	: Video : Digital component recording Audio : PCM digital recording, 32 kHz 4-channel (12-bit), 48 kHz 2-channel (16-bit)
Cassette	: Mini DV cassette
Tape speed	: SP: 18.8 mm/s LP: 12.5 mm/s
Maximum recording time (using 80 min. cassette)	: SP: 80 min. LP: 120 min.

For Digital Still Camera

Storage media	: SD Memory Card/MultiMediaCard
Compression system	: Still image : JPEG (compatible) Moving image : MPEG4 (compatible)
File size	
Still Image	: 3 modes (1280 x 960 pixels/1024 x 768 pixels/640 x 480 pixels)
Moving Image	: 2 modes (240 x 176 pixels/160 x 120 pixels)
Picture quality	: 2 modes (FINE/STANDARD)
Approximate number of storable images	: ☞ pg. 49

For Connectors

S/AV	
S-Video input	: Y: 0.8 V to 1.2 V (p-p), 75 Ω, analog C: 0.2 V to 0.4 V (p-p), 75 Ω, analog
S-Video output	: Y: 1.0 V (p-p), 75 Ω, analog C: 0.29 V (p-p), 75 Ω, analog
Video input	: Y: 0.8 V to 1.2 V (p-p), 75 Ω, analog
Video output	: Y: 1.0 V (p-p), 75 Ω, analog
Audio input	: 300 mV (rms), 1 kΩ, analog, stereo
Audio output	: 300 mV (rms), 50 kΩ, analog, stereo
Edit	: ø3.5 mm, 2-pole
Headphone output	: Stereo
DV	
Input/output	: 4-pin, IEEE 1394 compliant
USB	: 5-pin

AC Power Adapter/Charger

For General

Power requirement	
U.S.A. and Canada	: AC 120 V ∿ , 60 Hz
Other countries	: AC 110 V to 240 V ∿ , 50 Hz/60 Hz
Power consumption	: 23W
Output	
Charge	: DC 7.2 V ⎓ , 1.2 A
VTR	: DC 6.3 V ⎓ , 1.8 A
Weight	: Approx. 255 g (0.57 lbs)

Specifications shown are for SP mode unless otherwise indicated. E & O.E.
Design and specifications subject to change without notice.

Printed in Japan

This service manual is printed on 100% recycled paper.

COPYRIGHT © 2002 VICTOR COMPANY OF JAPAN, LTD.

No. 86684
March 2002

TABLE OF CONTENTS

Section	Title	Page
	Important Safety Precautions	
	INSTRUCTIONS	
	1. DISASSEMBLY	
1.1	BEFORE ASSEMBLY AND DISASSEMBLY	1-1
1.1.1	Precautions	1-1
1.1.2	Assembly and disassembly	1-1
1.1.3	Destination of connectors	1-1
1.1.4	Disconnection of Connectors (Wires)	1-1
1.2	JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT	1-2
1.2.1	Tools required for adjustments	1-2
1.3	DISASSEMBLY/ASSEMBLY OF CABINET PARTS AND BOARD ASSEMBLY	1-2
1.3.1	Disassembly flow chart	1-2
1.3.2	Disassembly method	1-3
1.4	DISASSEMBLY OF ⑤ MONITOR ASSEMBLY	1-8
1.4.1	⑤ Monitor assembly/Hinge assembly	1-8
1.4.2	Hinge assembly	1-8
1.5	DISASSEMBLY OF ⑫ OP BLOCK ASSEMBLY/CCD BOARD ASSEMBLY	1-9
1.5.1	Precautions	1-9
1.5.2	How to remove ⑫ OP block assembly and CCD board assembly	1-9
1.5.3	How to install ⑫ OP block assembly and CCD board assembly	1-9
1.5.4	Replacement of service parts	1-9
1.6	DISASSEMBLY OF ⑬ E. VF ASSEMBLY	1-10
1.6.1	⑬ E. VF assembly	1-10
1.7	EMERGENCY DISPLAY	1-11
1.8	SERVICE KNOW-HOW	1-12
1.9	SERVICE NOTE	1-14
	2. MECHANISM ADJUSTMENT	
2.1	PRELIMINARY REMARKS ON ADJUSTMENT AND REPAIR	2-1
2.1.1	Precautions	2-1
2.1.2	Notes on procedure for disassemby/assembly	2-1
2.2	JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT	2-2
2.2.1	Tools required for adjustments	2-2
2.3	DISASSEMBLY/ASSEMBLY OF MECHANISM ASSEMBLY	2-3
2.3.1	General statement	2-3
2.3.2	Explanation of mechanism mode	2-3
2.3.3	Mechanism timing chart	2-4
2.4	DISASSEMBLING PROCEDURE TABLE	2-5
2.4.1	Disassembly/assembly	2-7
2.4.2	List of procedures for disassembly	2-13
2.5	CHECKUP AND ADJUSTMENT OF MECHANISM PHASE	2-14
2.6	MECHANISM ADJUSTMENTS	2-15
2.6.1	Adjustment of the slide guide plate	2-15
2.6.2	Adjustment of the Tension Arm and Pad Arm Assemblies	2-16
2.6.3	Adjustment of the Slide Lever 2	2-16
2.7	SERVICE NOTE	2-17
2.8	COMPATIBILITY ADJUSTMENT	2-19
2.8.1	Jig connector cable connection	2-19
2.8.2	Tape pattern check	2-19

Section	Title	Page
	3. ELECTRICAL ADJUSTMENT	
3.1	PRECAUTION	3-1
3.2	SETUP	3-2
	4. CHARTS AND DIAGRAMS	
	NOTES OF SCHEMATIC DIAGRAM	4-1
	CIRCUIT BOARD NOTES	4-2
4.1	BOARD INTERCONNECTIONS	4-3
4.2	SYSCON-CPU SCHEMATIC DIAGRAM	4-5
4.3	SERVO SCHEMATIC DIAGRAM	4-7
4.4	MDA SCHEMATIC DIAGRAM	4-9
4.5	AUDIO AD/DA SCHEMATIC DIAGRAM	4-11
4.6	MAIN AUDIO SCHEMATIC DIAGRAM	4-13
4.7	DV MAIN SCHEMATIC DIAGRAM	4-15
4.8	PRE/REC SCHEMATIC DIAGRAM	4-17
4.9	VIDEO I/O SCHEMATIC DIAGRAM	4-19
4.10	CDS/AD SCHEMATIC DIAGRAM	4-21
4.11	CAM.DSP SCHEMATIC DIAGRAM	4-23
4.12	TG/VDR SCHEMATIC DIAGRAM	4-25
4.13	REGCON SCHEMATIC DIAGRAM	4-27
4.14	REG SCHEMATIC DIAGRAM	4-29
4.15	VF MAIN SCHEMATIC DIAGRAM	4-31
4.16	MONITOR MAIN SCHEMATIC DIAGRAM	4-33
4.17	DSC SCHEMATIC DIAGRAM	4-35
4.18	USBDRV SCHEMATIC DIAGRAM	4-37
4.19	SD SCHEMATIC DIAGRAM	4-39
4.20	WBSEN/SW SCHEMATIC DIAGRAM	4-41
4.21	OPDRV SCHEMATIC DIAGRAM	4-43
4.22	BOTTOM SCHEMATIC DIAGRAM	4-45
4.23	MONITOR SCHEMATIC DIAGRAM	4-47
4.24	W/B AND CCD SCHEMATIC DIAGRAMS	4-49
4.25	EJECT AND VF BL SCHEMATIC DIAGRAMS	4-50
4.26	MAIN CIRCUIT BOARD	4-51
4.27	OP MDA CIRCUIT BOARD	4-57
4.28	BOTTOM CIRCUIT BOARD	4-59
4.29	MONITOR, CCD, EJECT AND VF BL CIRCUIT BOARDS	4-61
4.30	VOLTAGE CHARTS	4-63
4.31	POWER SYSTEM BLOCK DIAGRAM	4-67
4.32	VIDEO SYSTEM BLOCK DIAGRAM	4-69
	5. PARTS LIST	
5.1	PACKING AND ACCESSORY ASSEMBLY <M1>	5-1
5.2	FINAL ASSEMBLY <M2>	5-3
5.3	MECHANISM ASSEMBLY <M3>	5-6
5.4	ELECTRONIC VIEWFINDER ASSEMBLY <M4>	5-8
5.5	MONITOR ASSEMBLY <M5>	5-9
5.6	ELECTRICAL PARTS LIST	5-10
	MAIN BOARD ASSEMBLY <01>	5-10
	OP MDA BOARD ASSEMBLY <02>	5-19
	BOTTOM BOARD ASSEMBLY <03>	5-20
	MONITOR BOARD ASSEMBLY <04>	5-20
	CCD BOARD ASSEMBLY <05>	5-21
	EJECT BOARD ASSEMBLY <06>	5-21
	VF BL BOARD ASSEMBLY <07>	5-21

Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

● Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the ⚠ symbol and shaded ( ) parts are critical for safety.
   Replace only with specified part numbers.
   Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Fuse replacement caution notice.
   Caution for continued protection against fire hazard.
   Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads

5. Use specified insulating materials for hazardous live parts. Note especially:
   1) Insulation Tape 3) Spacers 5) Barrier
   2) PVC tubing 4) Insulation sheets for transistors

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

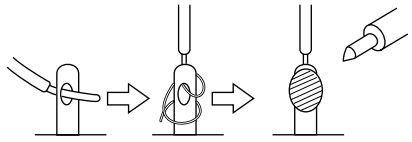


Fig.1

7. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

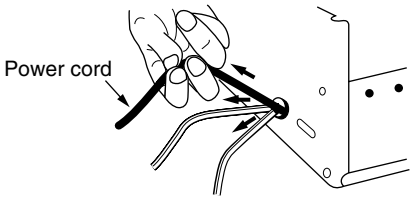


Fig.2

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)
    In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission.
    Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits.
    Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector
    In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

    1) Connector part number : E03830-001
    2) Required tool : Connector crimping tool of the proper type which will not damage insulated parts.
    3) Replacement procedure
    (1) Remove the old connector by cutting the wires at a point close to the connector.
    Important : Do not reuse a connector (discard it).

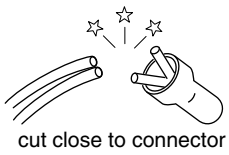


Fig.3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

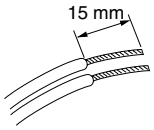


Fig.4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

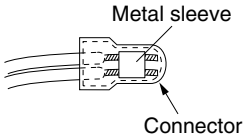


Fig.5

(4) As shown in Fig.6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

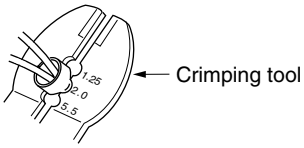


Fig.6

(5) Check the four points noted in Fig.7.

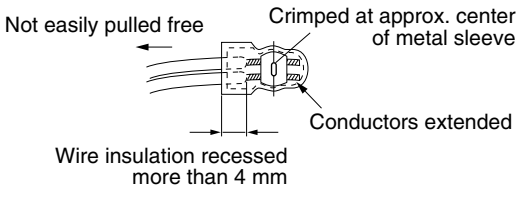

Not easily pulled free
Crimped at approx. center of metal sleeve
Conductors extended
Wire insulation recessed more than 4 mm

Fig.7

● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test

Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

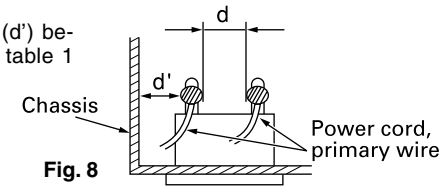


Fig. 8

4. Leakage current test

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

Measuring Method : (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

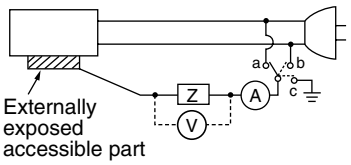


Fig. 9

5. Grounding (Class 1 model only)

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

Measuring Method:

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

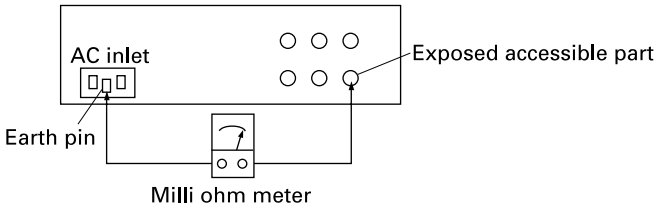


Fig. 10

Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	R ≧ 1 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3 mm
100 to 240 V			AC 1.5 kV 1 miute	d, d' ≧ 4 mm
110 to 130 V	USA & Canada	1 MΩ ≦ R ≦ 12 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R ≧ 10 MΩ/500 V DC	AC 3 kV 1 minute (Class Ⅱ) AC 1.5 kV 1 minute (Class Ⅰ)	d ≧ 4 mm d' ≧ 8 mm (Power cord) d' ≧ 6 mm (Primary wire)

Table 1 Specifications for each region

AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	1 kΩ	i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada	0.15 μF, 1.5 kΩ	i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia	2 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Antenna earth terminals
		50 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 1
DISASSEMBLY

1.1 BEFORE ASSEMBLY AND DISASSEMBLY

1.1.1 Precautions

1. Be sure to remove the power supply unit prior to mounting and soldering of parts.
2. When removing a component part that needs to disconnect the connector and to remove the screw for removing itself, first disconnect the connecting wire from the connector and then remove the screw beforehand.
3. When connecting and disconnecting the connectors, be careful not to damage the wire.
4. Carefully remove and handle the part to which some spacer or shield is attached for reinforcement or insulation.
5. When replacing chip parts (especially IC parts), desolder completely first (to prevent peeling of the pattern).
6. Tighten screws properly during the procedures.
   Unless specified otherwise, tighten screws at a torque of 0.078N•m(0.8kgf•cm).

1.1.2 Assembly and disassembly

STEP No.	PART	Fig.No.	POINT	NOTE
①	COVER(UNDER)	Fig.1-3-1	(S①)	—
②	COVER(SHOE)	Fig.1-3-2	2(S②),2(L②)	—
③	MIC COVER ASSY		(S③a),2(S③b)	—
	(1)	(2)	(3)	(4) (5)

(1) Indicate the disassembly steps. When assembling, perform in the reverse order of these steps. This number corresponds to the number in the disassembly diagram.

(2) Indicates the name of disassembly/assembly parts.

(3) Indicates the number in the disassembly diagram.

(4) Indicates parts and points such as screws, washers, springs which must be removed during disassembly/assembly.

Symbol	Name, Point
S	Screw
L	Lock, Pawl, Hook
SD	Soldering
CN	Connector

(Example)
- 2 (S①) : Remove the two screws (S①) for removing the part ①.
- CN ①a: Disconnect the connector ①a.
- SD ① : Unsolder at the point SD ①.

(5) Precautions on disassembly/assembly.

1.1.3 Destination of connectors

Note: *Three kinds of double-arrows in connection tables respectively show kinds of connector/wires.*
↔ : Wire
⇔ : Flat wire (FPC, FFC)
⬌ : Board to Board connector

[Example]

NOTE: *Remove the parts marked in* .

CONN. No.	CONNECTOR					Pin No.
CN④a	MAIN	CN112	⇔	SUB OPE UNIT	–	8
CN④b	MAIN	CN113	⇔	MONITOR	CN401	39/33

1.1.4 Disconnection of Connectors (Wires)

Connector
Pull both ends of the connector in the arrow direction, remove the lock and disconnect the flat wire.

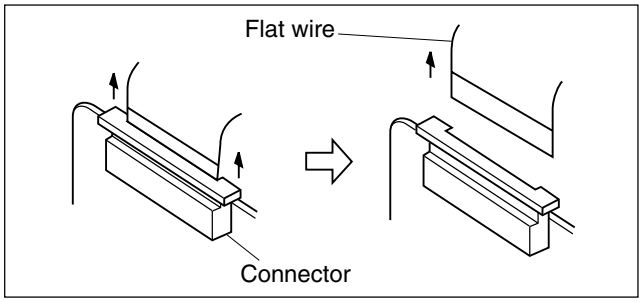


Fig. 1-1-1 Connector 1

Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.

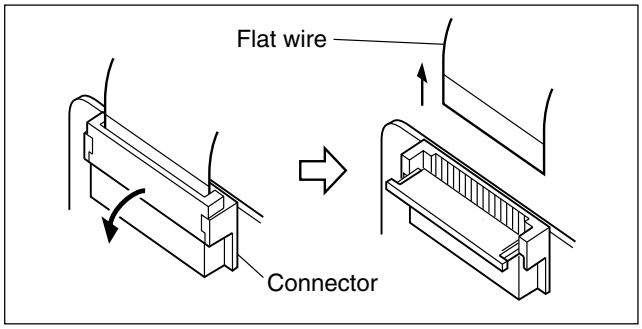


Fig. 1-1-2 Connector 2

B-B connector
Pull the board by both the sides in the direction of the arrow for disconnecting the B-B connector.

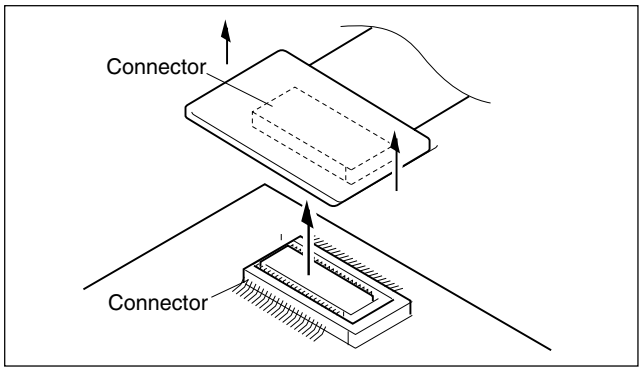


Fig. 1-1-3 Connector 3

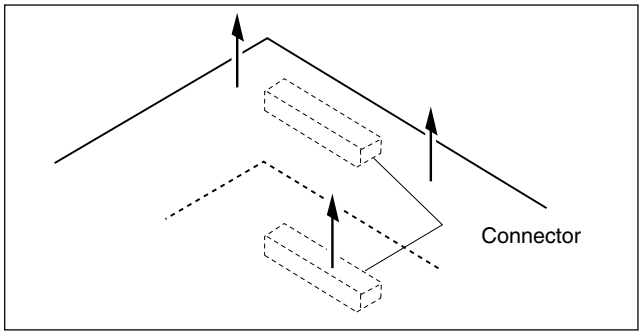


Fig. 1-1-4 Connector 4

1.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

1.2.1 Tools required for adjustments

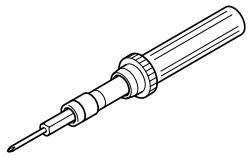
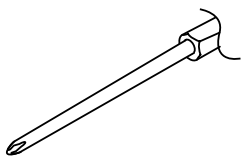
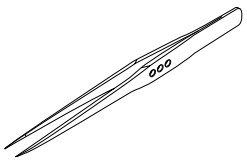
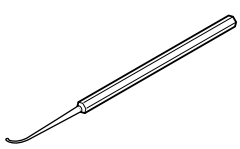
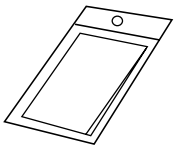
1 Torque driver YTU94088	2 Bit YTU94088-003
	
3 Tweezers P-895	4 Chip IC replacement jig PTS40844-2
	
5 Cleaning cloth KSMM-01	
	

Table 1-2-1

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.

2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.

3. **Tweezers**
   To be used for removing and installing parts and wires.

4. **Chip IC replacement jig**
   To be used for adjustment of the camera system.

5. **Cleaning cloth**
   Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

1.3 DISASSEMBLY/ASSEMBLY OF CABINET PARTS AND BOARD ASSEMBLY

1.3.1 Disassembly flow chart

This flowchart indicates the disassembly step for the cabinet parts and board assembly in order to gain access to item(s) to be serviced. When reassembling, perform the step(s) in reverse order.

①	COVER (UNDER)
②	COVER (SHOE)
③	MIC COVER ASSY
④	UPPER CASE ASSY (Inc.MONITOR ASSY)
⑤	MONITOR ASSY
⑥	SHUTTER ASSY
⑦	BOTTOM ASSY
⑧	LOWER CASE ASSY (Inc.MICROPHONE /E.VF UNIT /OP MDA BOARD ASSY/SHOE ASSY /OP BLOCK ASSY)
⑨	MAIN BOARD ASSY
⑩	MECHANISM ASSY
⑪	MICROPHONE
⑫	OP BLOCK ASSY
⑬	E. VF UNIT
⑭	OP MDA BOARD ASSY
⑮	SHOE ASSY

Table 1-3-1

1.3.2 Disassembly method

STEP No.	PART	Fig.No.	POINT	NOTE
①	COVER (UNDER)	Fig.1-3-1	(S①)	—
②	COVER (SHOE)	Fig.1-3-2	2(S②), 2(L②)	—
③	MIC COVER ASSY		(S③a), 2(S③b)	—
④	UPPER CASE ASSY (Inc.MONITOR ASSY)	Fig.1-3-3a	(SD CARD)	NOTE④a NOTE④b
		Fig.1-3-3b	(S④a), (S④b), 3(S④c), 2(S④d), 2(S④e), (S④f), CN ④a, CN④b	NOTE④c NOTE④d
⑤	MONITOR ASSY	Fig.1-3-4	2(S⑤a), GUIDE(MONI), 2(S⑤b)	NOTE⑤
⑥	SHUTTER ASSY	Fig.1-3-5	(S⑥)	NOTE⑥
⑦	BOTTOM ASSY	Fig.1-3-6	CN ⑦, 2(S ⑦a), 2(S⑦b), 3(S⑦c), (S⑦d)	NOTE⑦
⑧	LOWER CASE ASSY (Inc. MICROPHONE, E.VF UNIT, OP MDA BOARD ASSY,SHOE ASSY, OP BLOCK ASSY)	Fig.1-3-7	CN⑧a, CN⑧b, SHEET(SHUTTER), CN⑧c, CN⑧d, CN⑧e, 3(S⑧)	NOTE⑧
⑨	MAIN BOARD ASSY	Fig.1-3-8	SHEET(SHUTTER), 2(S⑨) (L⑨a), SHIELD ASSY, CN ⑨a, CN ⑨b, CN ⑨c, CN ⑨d, (L⑨b), CN ⑨e, CN ⑨f	—
⑩	MECHANISM ASSY		(S⑩a),BRACKET(PRE/REC), 3(S⑩b),BRACKET(MECHA) ASSY	
⑪	MICROPHONE	Fig.1-3-9a	—	NOTE⑪
⑫	OP BLOCK ASSY		(S⑫), 2(S⑭a)	NOET⑫
⑬	E.VF UNIT		(S⑬a), (S⑬b), CN⑬	NOTE⑬a NOTE⑬b NOTE⑬c
⑭	OP MDA BOARD ASSY	Fig.1-3-9b	2(S⑭b), CN⑫	NOTE⑭a NOTE⑭b
⑮	SHOE ASSY		CN⑮, 2(S⑮)	NOTE⑮

Table 1-3-2

Note: *Remove the parts marked in .*

CONN. No.	CONNECTOR					Pin No.
CN④a	MAIN	CN112	⇔	SUB OPE UNIT	-	8
CN④b	MAIN	CN113	⇔	MONITOR	CN401	39/33
CN⑦	MAIN	CN107	⬌	BOTTOM	CN301	50
CN⑧a	MAIN	CN110	⬌	OP MDA	CN201	80
CN⑧b	MAIN	CN111	⇔	CCD	-	20
CN⑧c	MAIN	CN109	⇔	ZOOM OPE UNIT	-	13
CN⑧d	MAIN	CN108	↔	EJECT SW	-	2
CN⑧e	MAIN	CN115	↔	MICROPHONE	-	4
CN⑨a	MAIN	CN102	⇔	LOADING MOTOR	-	6
CN⑨b	MAIN	CN103	⇔	ROTARY ENCODER	-	6
CN⑨c	MAIN	CN101	⇔	HEAD	-	8
CN⑨d	MAIN	CN106	⇔	SENSOR	-	16
CN⑨e	MAIN	CN105	⇔	CAPSTAN MOTOR	-	18
CN⑨f	MAIN	CN104	⇔	DRUM MOTOR	-	11
CN⑫	OP MDA	CN204	⇔	OP BLOCK ASSY	-	24
CN⑬	OP MDA	CN203	⇔	VF BL	CN7001	20
CN⑮	OP MDA	CN202	⇔	SHOE ASSY	-	16/13

Table 1-3-3

NOTE ④a: *If a card is installed, remove it in advance.*

NOTE ④b: *Be careful not to damage the battery removal switch. When disassembling, ensure that the lock lever is in the low position and set the battery removal switch only to the up position.*

NOTE ④c: *A screw (14) is located inside the Cover (MULTI/USB).*

NOTE ④d: *Slide down the shutter and remove the screw (15).*

NOTE ⑤: *Refer to Fig. 1-4-1 for the disassembly method.*

NOTE ⑥: *Be careful not to damage or lose the parts.*

NOTE ⑦: *Take care of the removed screws.*

NOTE ⑧: *For the disassembly/assembly of the E. VF unit, Shoe assembly, OP MDA board assembly, and OP block assembly, see section 1.8, "SERVICE KNOW-HOW".*

NOTE ⑪: *Leave the microphone connected to the OP block assembly.*

NOTE ⑫: *Refer to Fig. 1-5-1 for the disassembly method.*

NOTE ⑬a: *Be careful not to cut the FPC wire or damage any of the switches during work.*

NOTE ⑬b: *Refer to Fig. 1-6-1 for the disassembly method.*

NOTE ⑭a: *Be careful not to lose the parts.*

NOTE ⑫, ⑬c, ⑭b, ⑮ :
When assembling, attach the OP block assembly, E.VF assembly and the shoe assembly on the OP MDA board assembly and install them together in the lower case assembly.

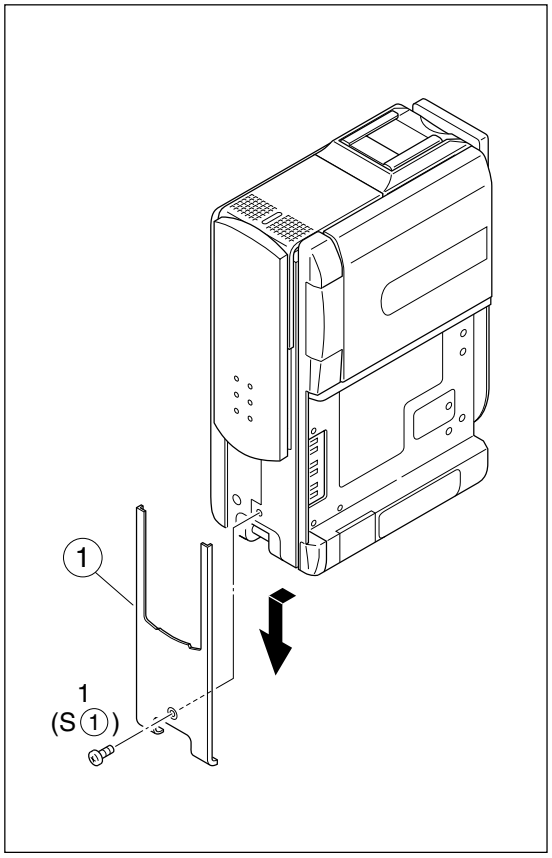


Fig. 1-3-1

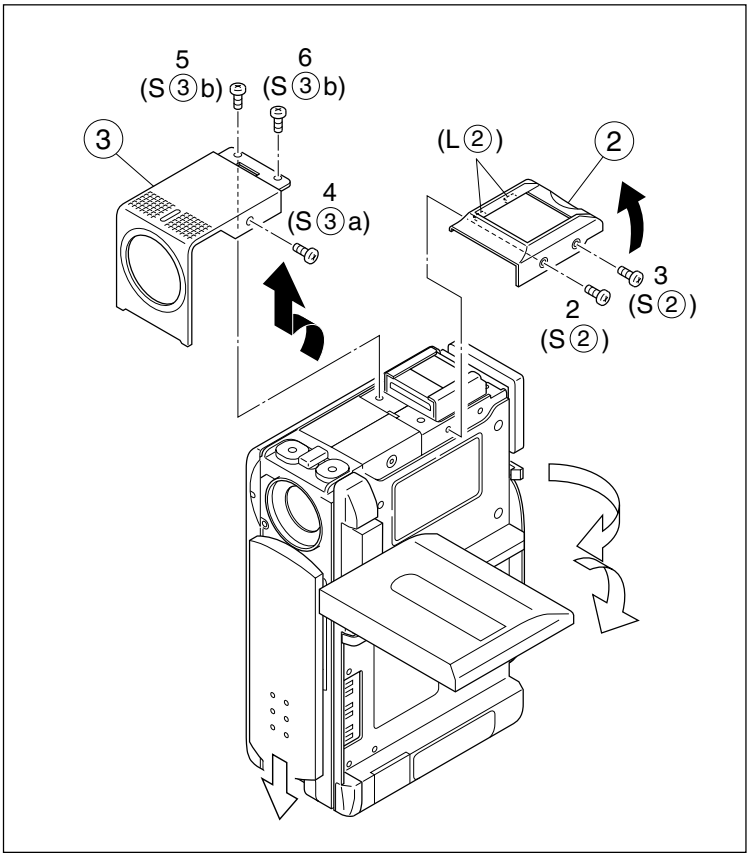


Fig. 1-3-2

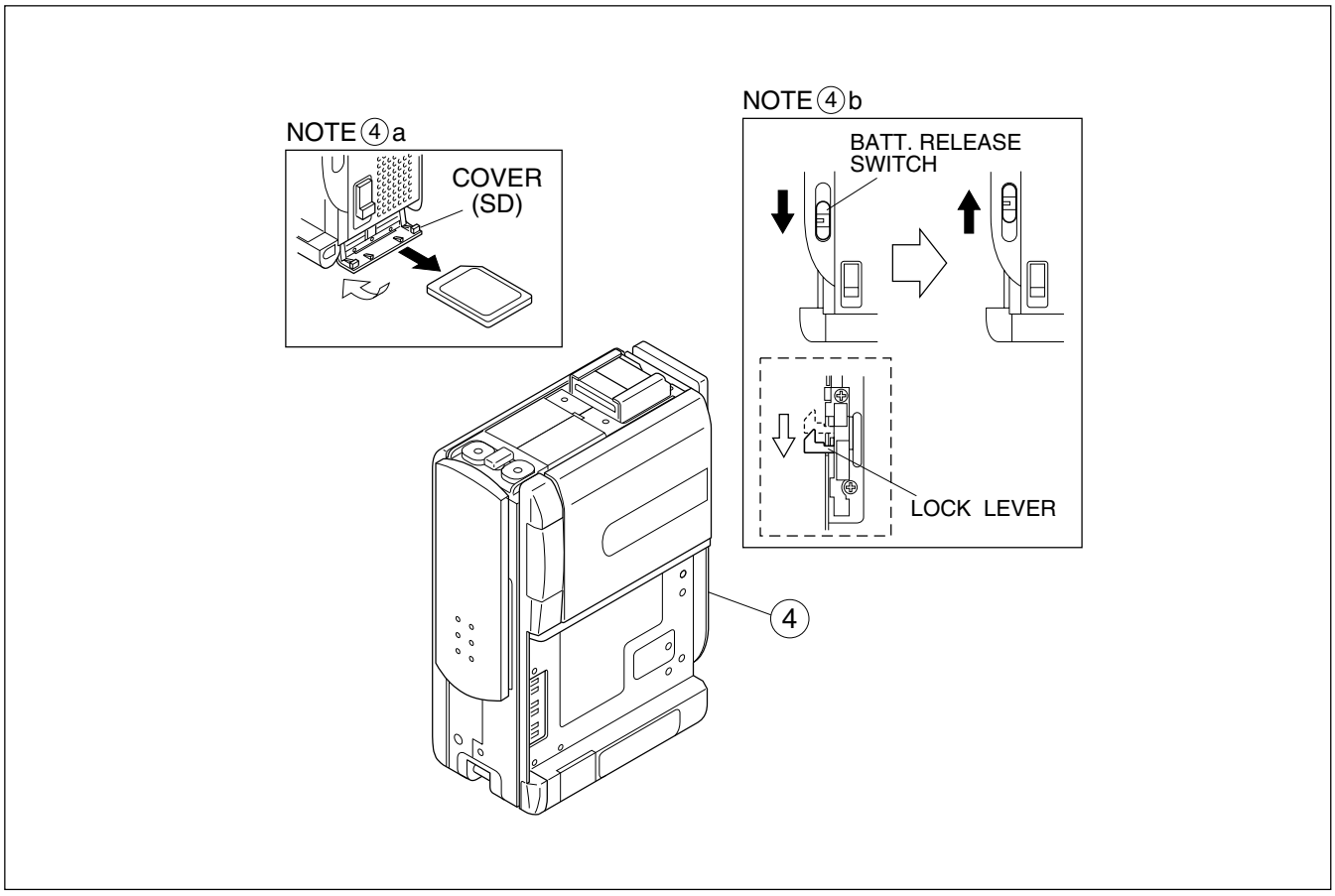


Fig. 1-3-3a

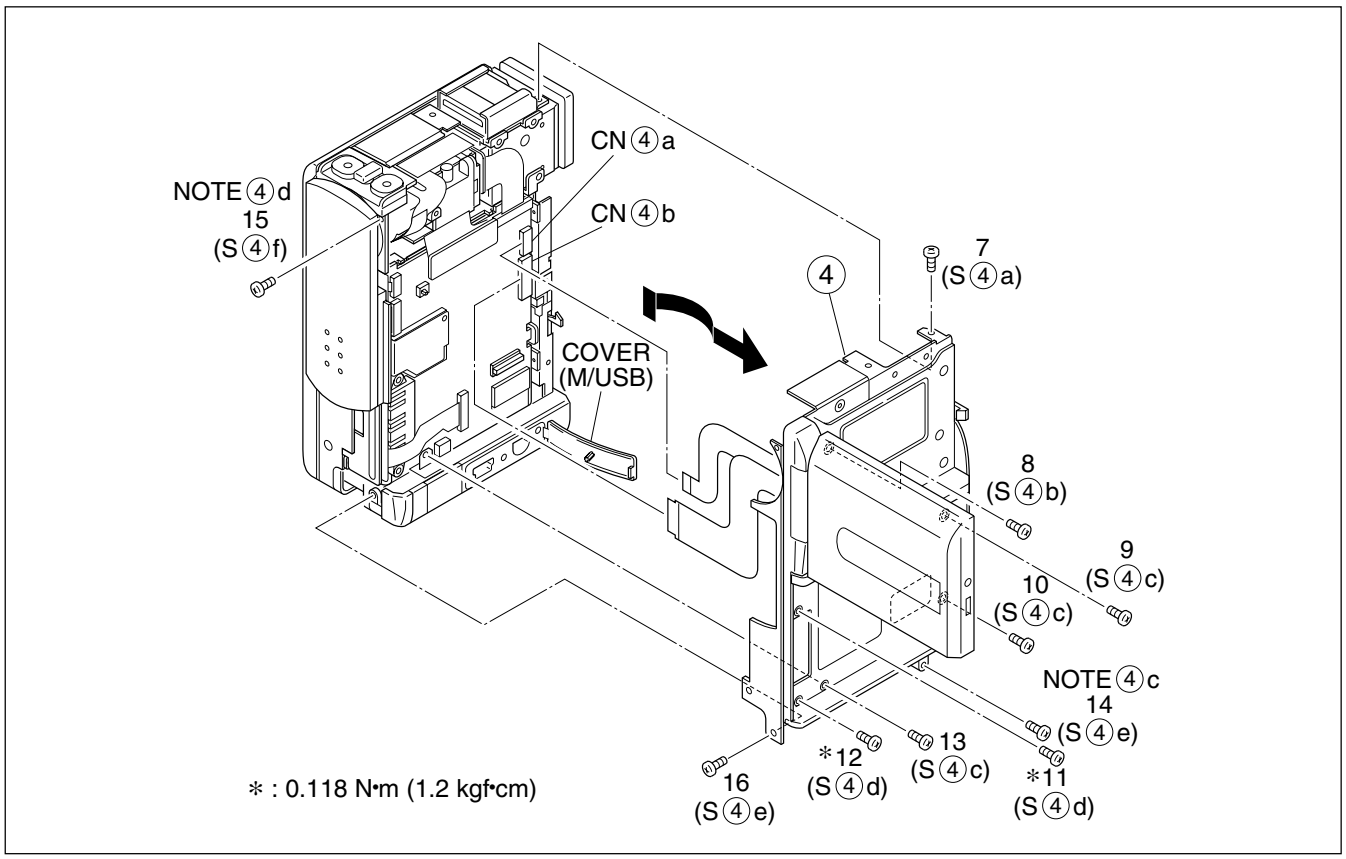


Fig. 1-3-3b

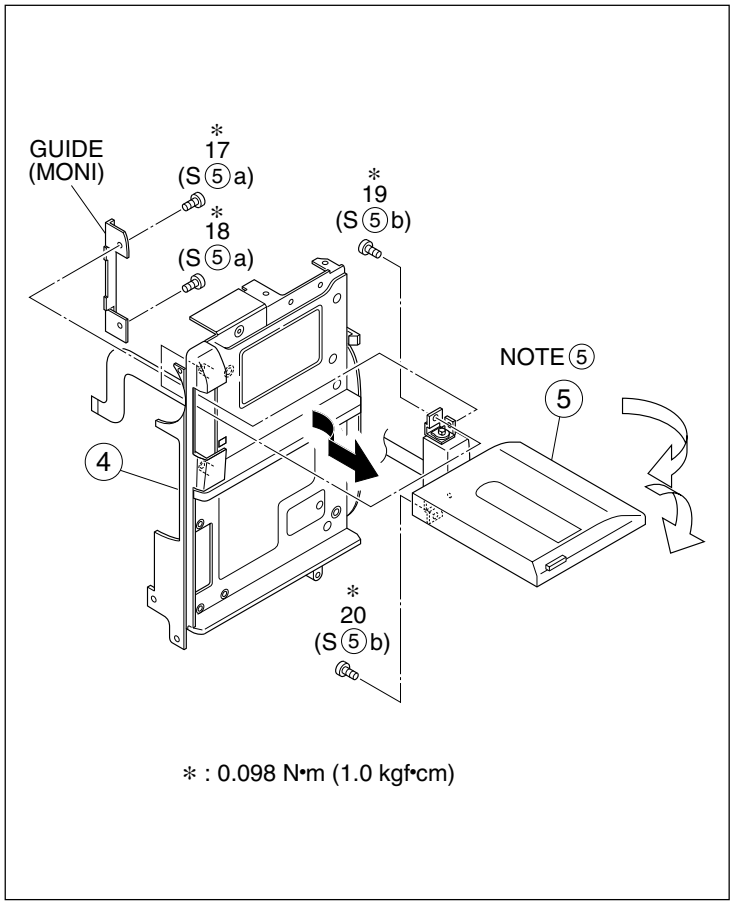


Fig. 1-3-4

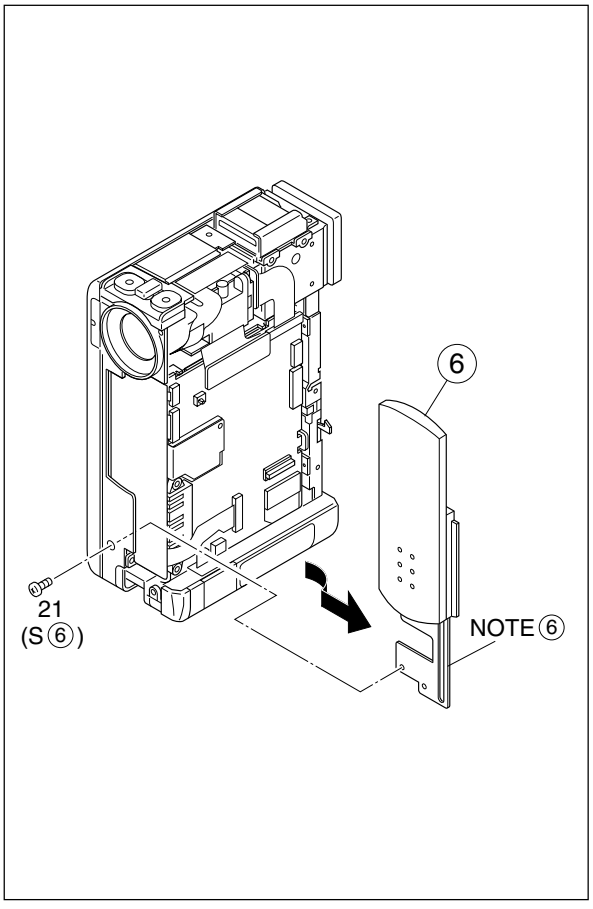


Fig. 1-3-5

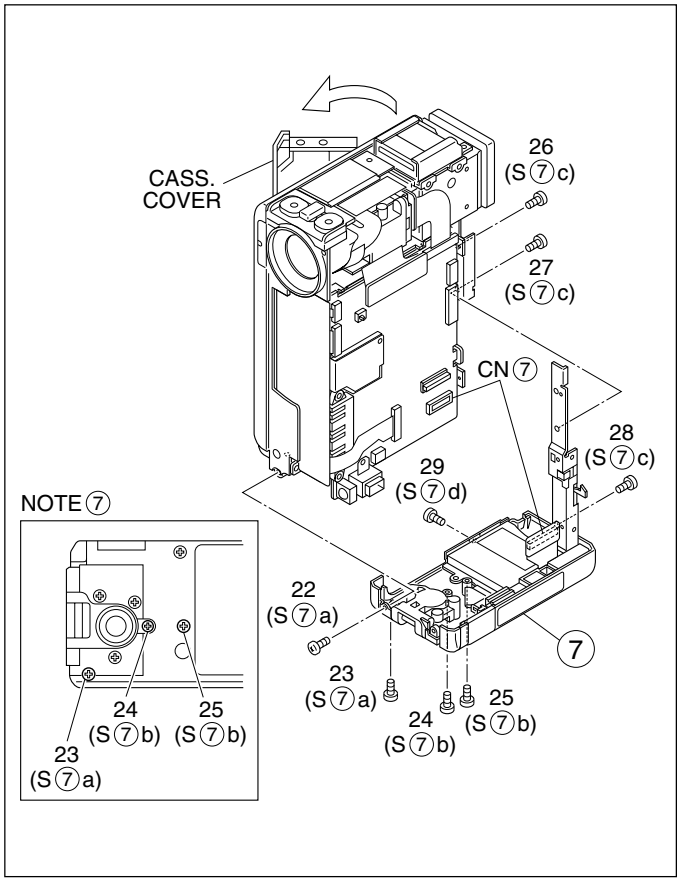


Fig. 1-3-6

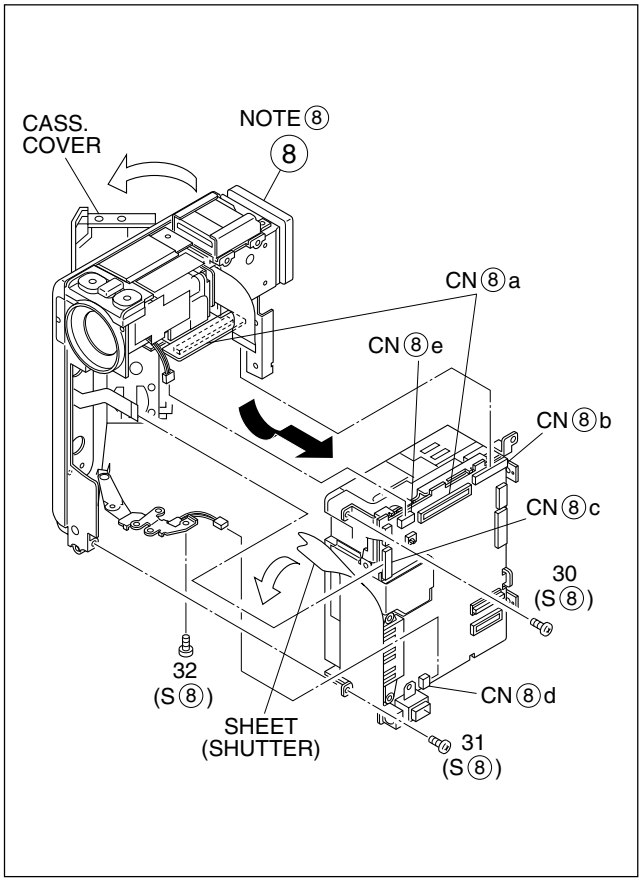


Fig. 1-3-7

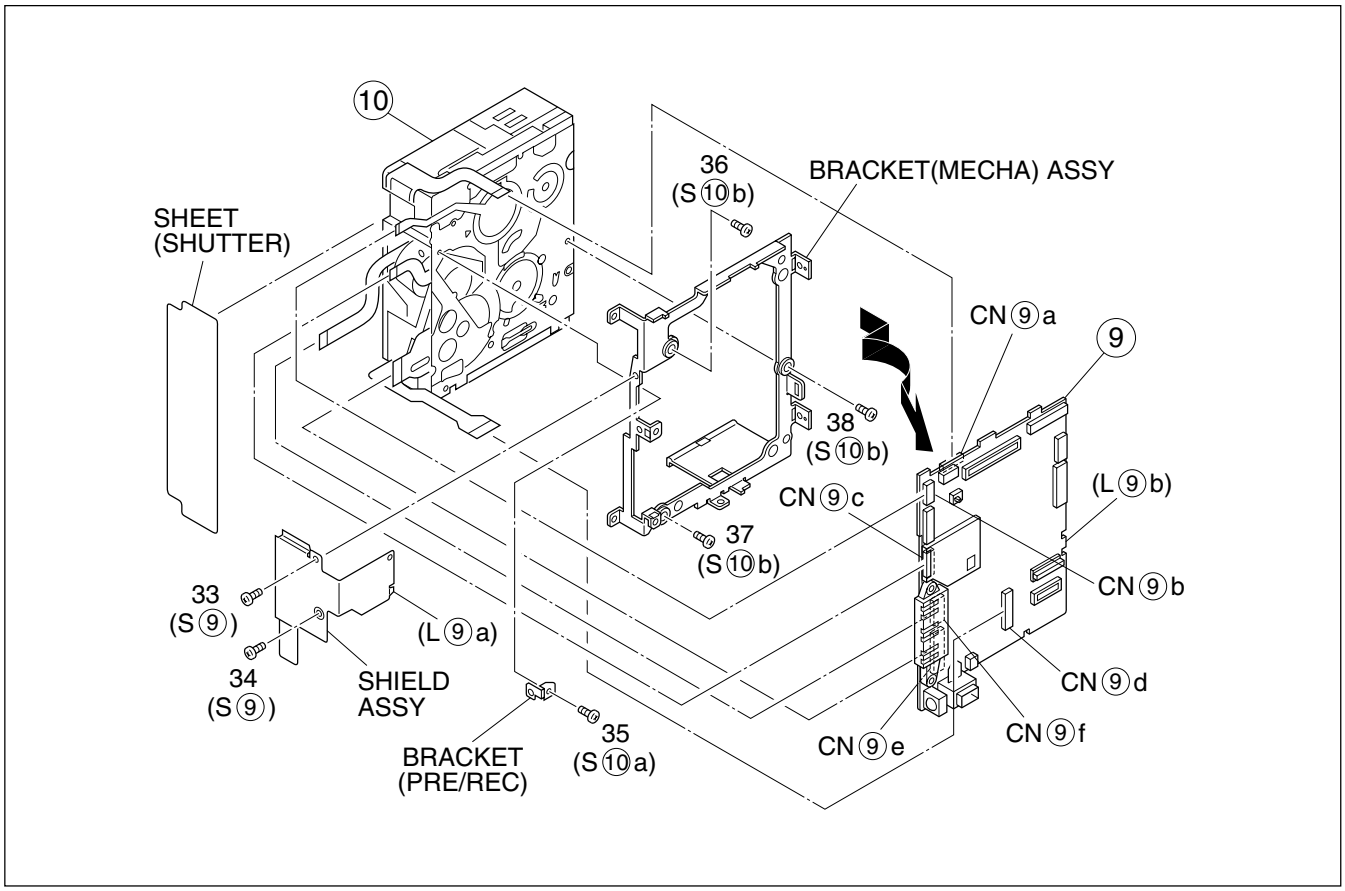


Fig. 1-3-8

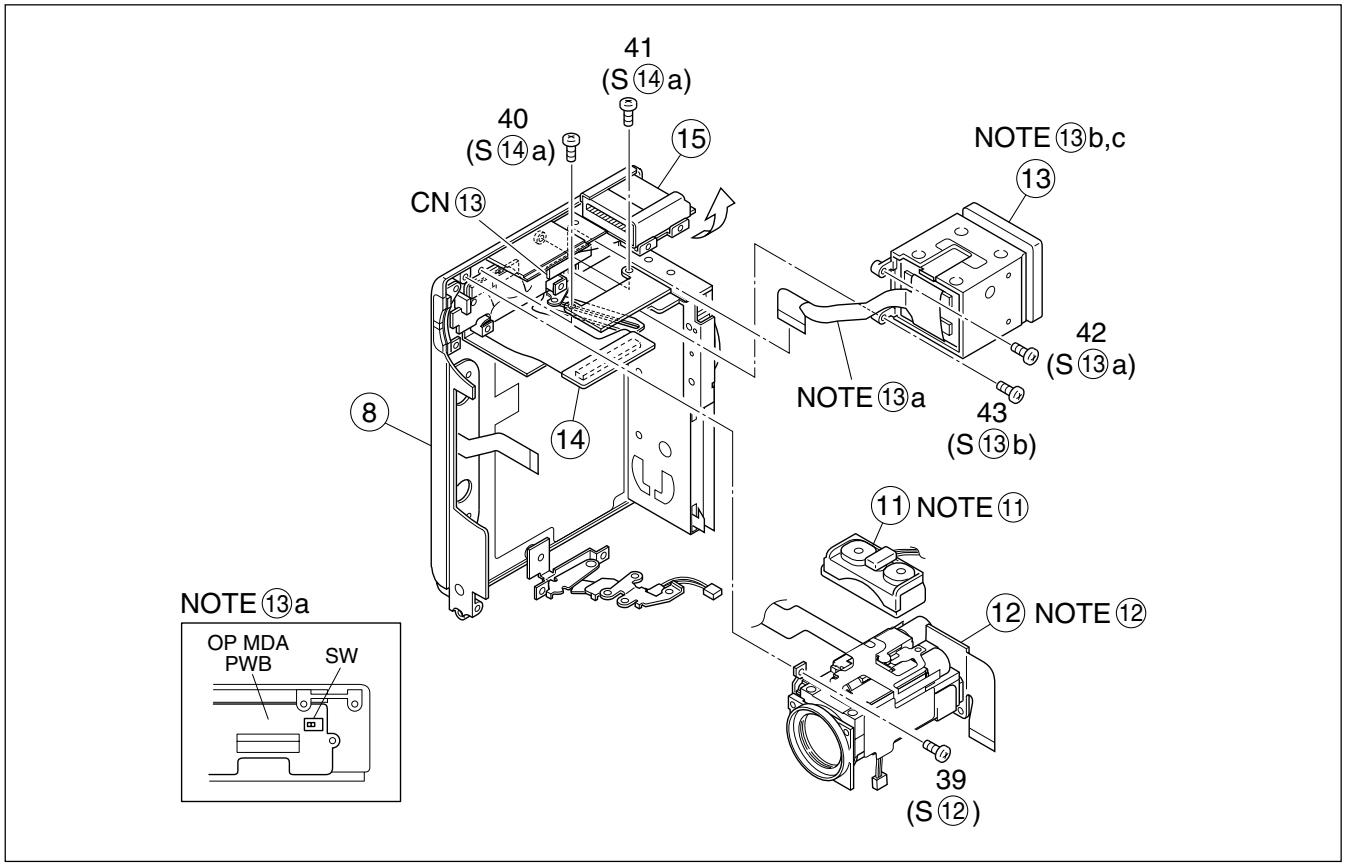


Fig. 1-3-9a

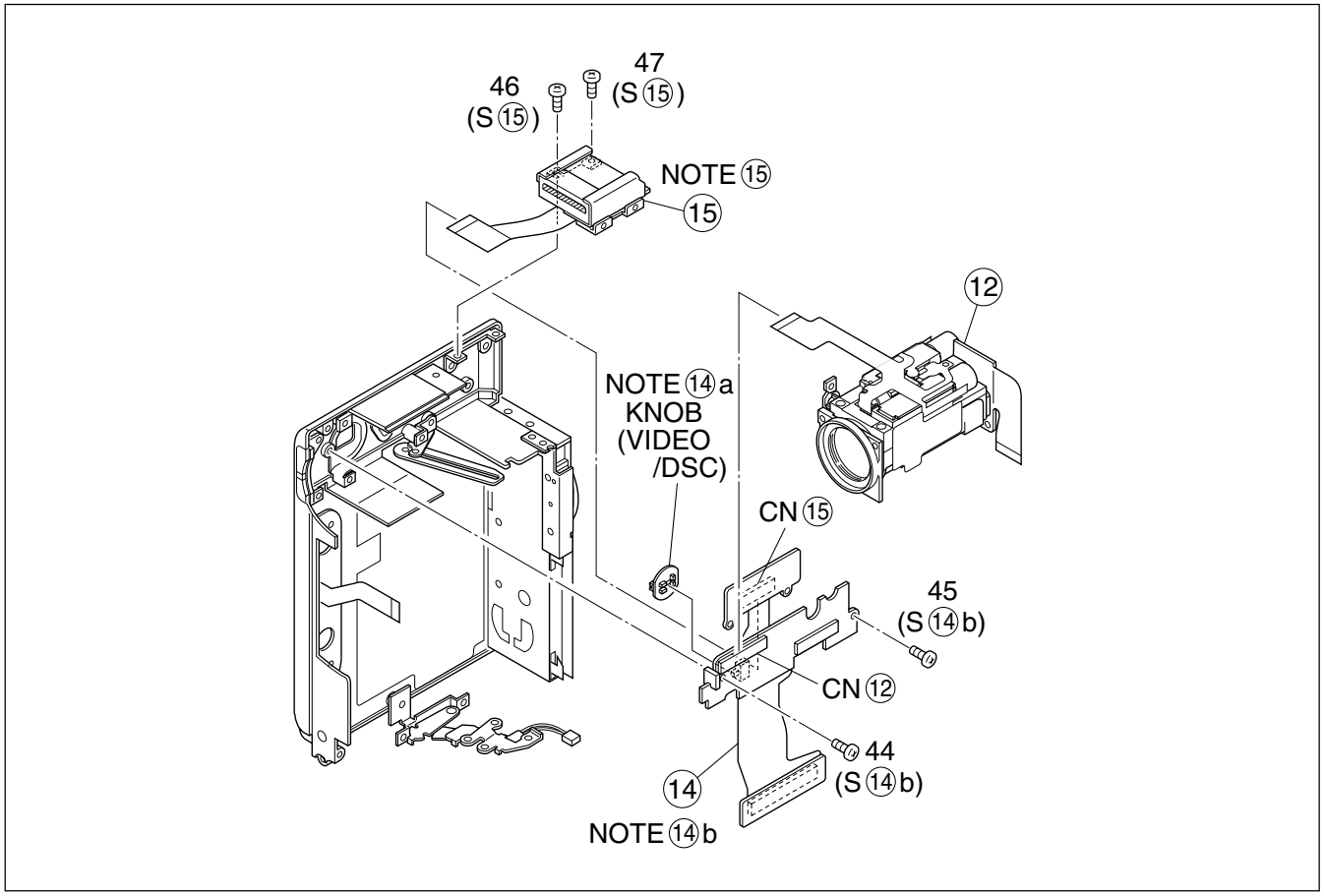


Fig. 1-3-9b

1.4 DISASSEMBLY OF ⑤ MONITOR ASSEMBLY

1.4.1 ⑤ Monitor assembly/Hinge assembly

1. Remove the three screws (1 to 3) and then remove the monitor cover by disengaging the two hooks (L⑤a, L⑤b) at the top and bottom.

Note⑤a: *Be careful not to lose part (Rib).*

2. Pull out the part (sensor) from the monitor case assembly.
3. Release the lock of the connector CN⑤a. Disengage the two hooks (L⑤c, L⑤d) to remove the hinge assembly from monitor case, then remove the FPC from the hinge assembly.

Note⑤b: *When removing the parts out of the monitor case assembly, be very careful not to damage the FPC and parts.*

4. Take out the LCD module, back light and monitor board assembly from the monitor case assembly. Be careful with the hooks (L⑤e, L⑤f) on the two sides.
   Disconnect the FPC assembly from the connector (CN⑤b) and remove the LCD module. Be careful with the hooks (L⑤g ,L⑤h) on the two sides.

1.4.2 Hinge assembly

1. Remove the two screws (4,5) to take out the FPC assembly while removing the hinge cover (L).

Note⑤c: *Be careful not to lose any part during the above-mentioned process.*

2. Remove the hinge cover (U) from hinge assembly.
3. Remove the FPC assembly from the hinge assembly.

Note⑤d: *Be careful not to lose any part during the abobe mentioned process.*

Note⑤e: *When reassembling, wind the FPC assembly around the hinge assembly by three turns and a half.*
Be careful not to break the FPC wire during the work.

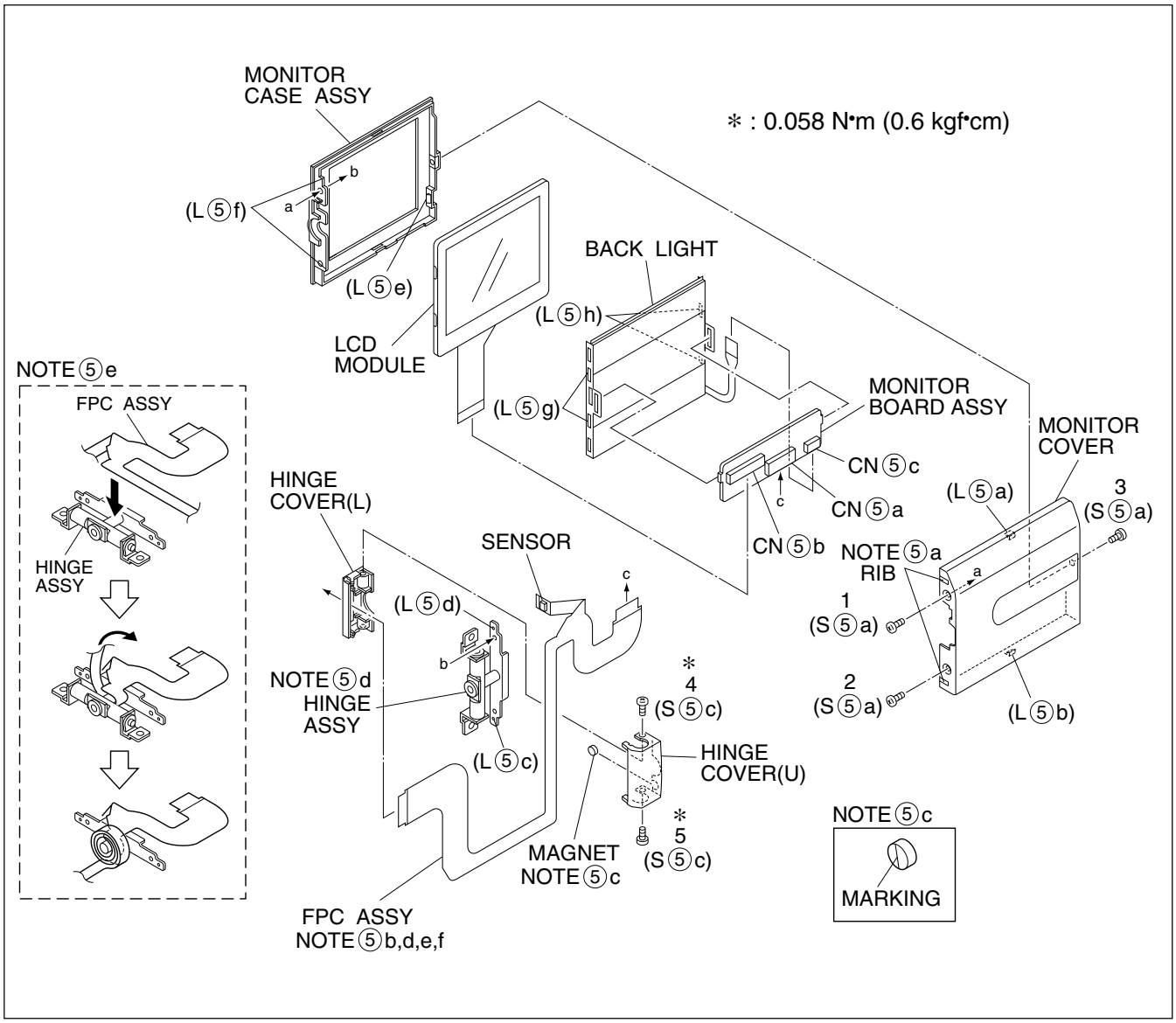


Fig. 1-4-1

1.5 DISASSEMBLY OF ⑫ OP BLOCK ASSEMBLY/CCD BOARD ASSEMBLY

1.5.1 Precautions

1. Carefully handle the CCD image sensor, optical LPF, lens, etc. during the disassembly work. Pay the most careful attention to the surface of those parts not to get it soiled, scratched or dusty. If some of those surfaces gets soiled with fingerprints, etc., wipe it out with silicone paper, clean chamois, cleaning cloth or the like.
2. The new CCD image sensor is occasionally shipped from the factory as a protection seal is applied onto its transparent glass. If so, leave the protection seal as it is and remove it just before installing the CCD image sensor in the OP block assembly.

1.5.2 How to remove ⑫ OP block assembly and CCD board assembly

1. Unsolder at the fourteen points (SD⑫) and remove the CCD board assembly.
2. Remove the two screws (1, 2) and then remove the CCD base assembly.

Note⑫a: *Carefully remove the CCD base assembly, because the space rubber and optical LPF may be removed together with the CCD image sensor.*

Note⑫b: *When replacing the CCD image sensor, don't replace it individually but replace the CCD base assembly in whole with a new one.*

1.5.3 How to install ⑫ OP block assembly and CCD board assembly

1. Install the optical LPF with the ⑫ OP block assembly.
2. With the spacer rubber left attached to the CCD base assembly, install the assembly in the OP block assembly and clamp it using the two screws (1, 2).
3. Set the CCD board assembly in the CCD base assembly, and fasten it by soldering at the fourteen points (SD⑫).

1.5.4 Replacement of service parts

Service parts to be supplied for the OP block assembly are as follows.
When replacing a part, be very careful not to get the FPC wire broken or damaged by soldering (overheating).

1. Focus motor
2. Zoom motor
3. Iris motor unit

Note⑫c: *When soldering the FPC wire of the focus motor or zoom motor during the replacement work, be sure to keep the tip of a soldering iron approximately 1 mm above the terminal.*

Note⑫d: *The iris motor unit includes one FPC assembly and two sensors.*

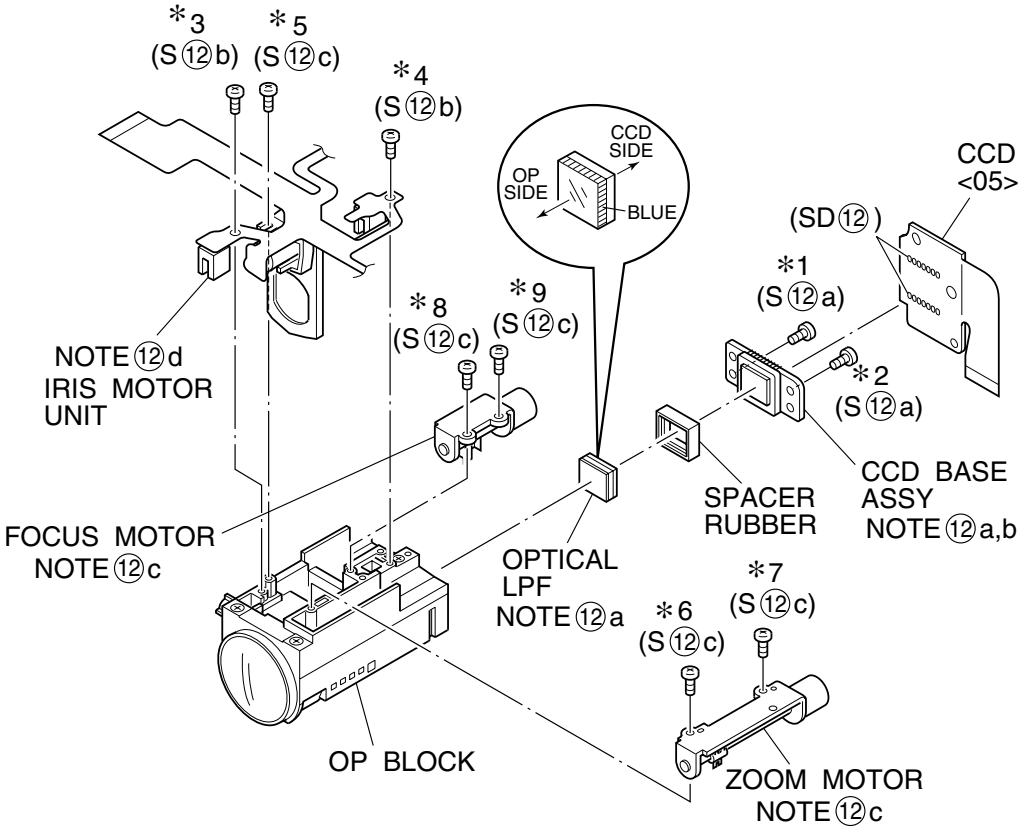


Fig. 1-5-1

1.6 DISASSEMBLY OF ⑬ E. VF ASSEMBLY

1.6.1 ⑬E. VF assembly

Note⑬a: *When disassembling the E. VF assembly, remove the frame (VF) from the case assembly depending on the situation.*

Note⑬b: *Be very careful not to get the inside of the VF soiled or dusty during and after disassembling the E. VF assembly.*

1. Draw the frame (VF) out of the case assembly.
2. Remove the eyecup and pull out the guide (VF).

<Case assembly>

3. While holding the guide (VF), pull out the case assembly, remove the two screws (1, 2) and remove the cap (VF).
4. Remove the three screws (3-5) and draw out the eye-piece sub assembly.

Note⑬c: *A lens assembly and a lever are mounted on the eye-piece sub assembly. When removing this assembly, be careful not to damage them.*

5. Draw out the guide (VF).

<Frame (VF)>

6. Remove the screw (6) first and then LCD module/holder (LCD).
7. Get the two hooks (L⑬a, L⑬b) disengaged and then remove the holder (LCD).

Note⑬d: *Carefully proceed with the above-mentioned work not to damage any part.*

8. Disconnect the connector (CN⑬b) and remove the LCD module.

Note⑬e: *Pay heed the parts not to damage any thing.*

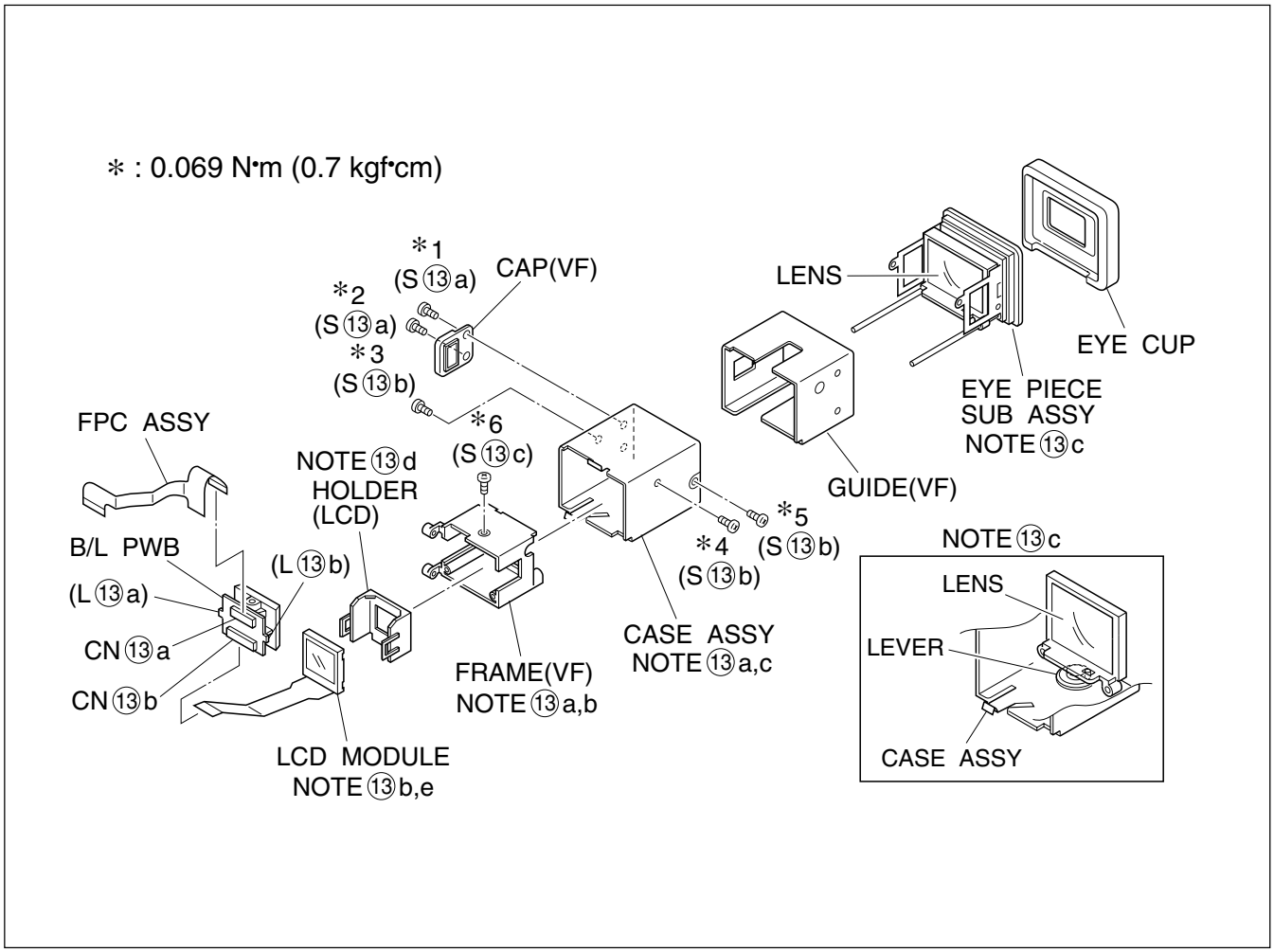


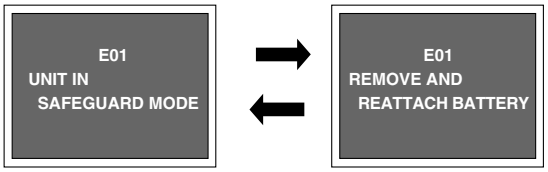
Fig. 1-6-1

1.7 EMERGENCY DISPLAY

Whenever some abnormal signal is input to the syscon CPU, an error number (E01, as an example) is displayed on the LCD monitor or (in the electronic view finder).
In every error status, such the message as shown below alternately appear over and over.

- In an emergency mode, all operations except turning on/off the POWER switch are ineffectual.

Example (in case of the error number E01):



LCD display	Emergency mode	Details	Possible cause
E01	LOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the loading direction for 4 seconds or more. This error is defined as [E01].	1. The mechanism is locked during mode shift. 2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift. 3. No power is supplied to the loading MDA.
E02	UNLOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the unloading direction for 4 seconds or more. This error is defined as [E02].	1. The mechanism is locked during mode shift. 2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift.
E03	TU & SUP REEL FG	In the case no REEL FG is produced for 4 seconds or more in the capstan rotation mode after loading was complete, the mechanism mode is shifted to STOP with the pinch roller set off. This error is defined as [E03]. However, no REEL EMG is detected in the SLOW/STILL mode.	1. The idler gear does not engage with the reel disk well. 2. Though the idler gear and reel disk are engaged with each other, the tape is not wound because of overload to the mechanism. 3. No FG pulse is output from the reel sensor. 4. No power is supplied to the reel sensor. 5. Tape transport operation takes place with a cassette having no tape inside. 6. The tape slackens and no pulse is produced until the slack is taken up and the tape comes into the normal status.
E04	DRUM FG	In the case there is no DRUM FG input in the drum rotation mode for 4 seconds or more. This error is defined as [E04], and the mechanism mode is shifted to STOP with the pinch roller set off.	1. The drum cannot be started or drum rotation is stopped because tape transport load is too high. 1) Tape tension is extremely high. 2) The tape is damaged or soiled with grease, etc. 2. The DRUM FG signal is not received by the syscon CPU. 1) Disconnection in the middle of the signal line. 2) Failure of the DRUM FG pulse generator (hall element). 3. No drum control voltage is supplied to the MDA. 4. No power is supplied to the DRUM MDA.
E05	–	–	–
E06	CAPSTAN FG	In the case no CAPSTAN FG is produced in the capstan rotation mode for 2 seconds or more. This error is defined as [E06], and the mechanism mode is shifted to STOP with the pinch roller set off. However, no CAPSTAN EMG is detected in the STILL/FF/REW mode.	1. The CAPSTAN FG signal is not received by the syscon CPU. 1) Disconnection in the middle of the signal line. 2) Failure of the CAPSTAN FG pulse generator (MR element). 2. No capstan control voltage is supplied to the MDA. 3. No power is supplied to the CAPSTAN MDA. 4. The capstan cannot be started or capstan rotation is stopped because tape transport load is too high. 1) Tape tension is extremely high. (Mechanical locking) 2) The tape is damaged or soiled with grease, etc. (Tape tangling occurs, etc.)

(DVC_03)

Table 1-7-1

1.8 SERVICE KNOW-HOW

When performing disassembly/assembly work to this model, the parts that are most complicated and require special attention are the E. VF unit and the OP MDA board, OP block and shoe assemblies, all of which are mounted inside the lower case assembly.
Care should be taken in handling these parts as they are mounted inside the lower case assembly (except the E.VF unit) and there is a lack of adequate space to work conveniently. This section gives further details regarding the disassembly procedures, although they have been described in previous sections.

1. See Fig. 1-8-1.

(1) While moving the ⑪ microphone out of way, remove the screw (39) and take out the ⑫ OP block assembly.

(2) Remove two screws (40, 41) and open the ⑭ OP MDA board assembly.

(3) Remove two screws (42, 43) to disconnect the connector (CN203), then take out the FPC to remove the ⑬ E. VF unit.

Note ⑬a **:** *Be careful not to damage the FPC or the switches when carrying out this work.*

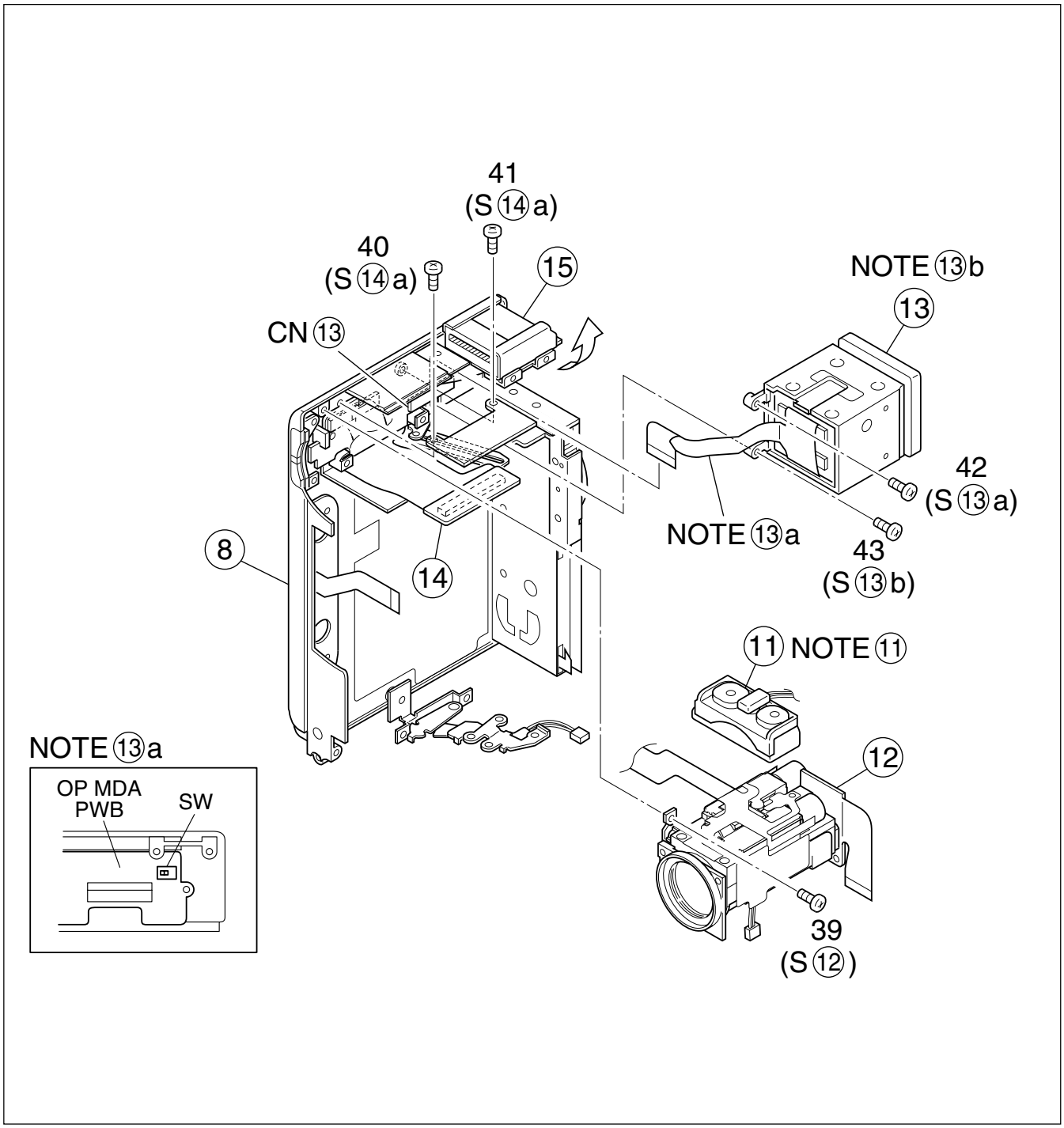


Fig. 1-8-1

2. See Fig. 1-8-2.

(1) Remove the two screws (44, 45) in order to free the ⑭ OP MDA board assembly.

(2) Remove the two screws (46, 47) and take out the ⑭ OP MDA board assembly together with the ⑫ OP block assembly and the ⑮ shoe assembly.

Note⑫: *Be careful not to lose the VIDEO and DSC knobs, which may slip out during the disassembly.*

(3) Disconnect the FPCs from the connectors on the ⑫ OP block assembly and the ⑮ shoe assembly.

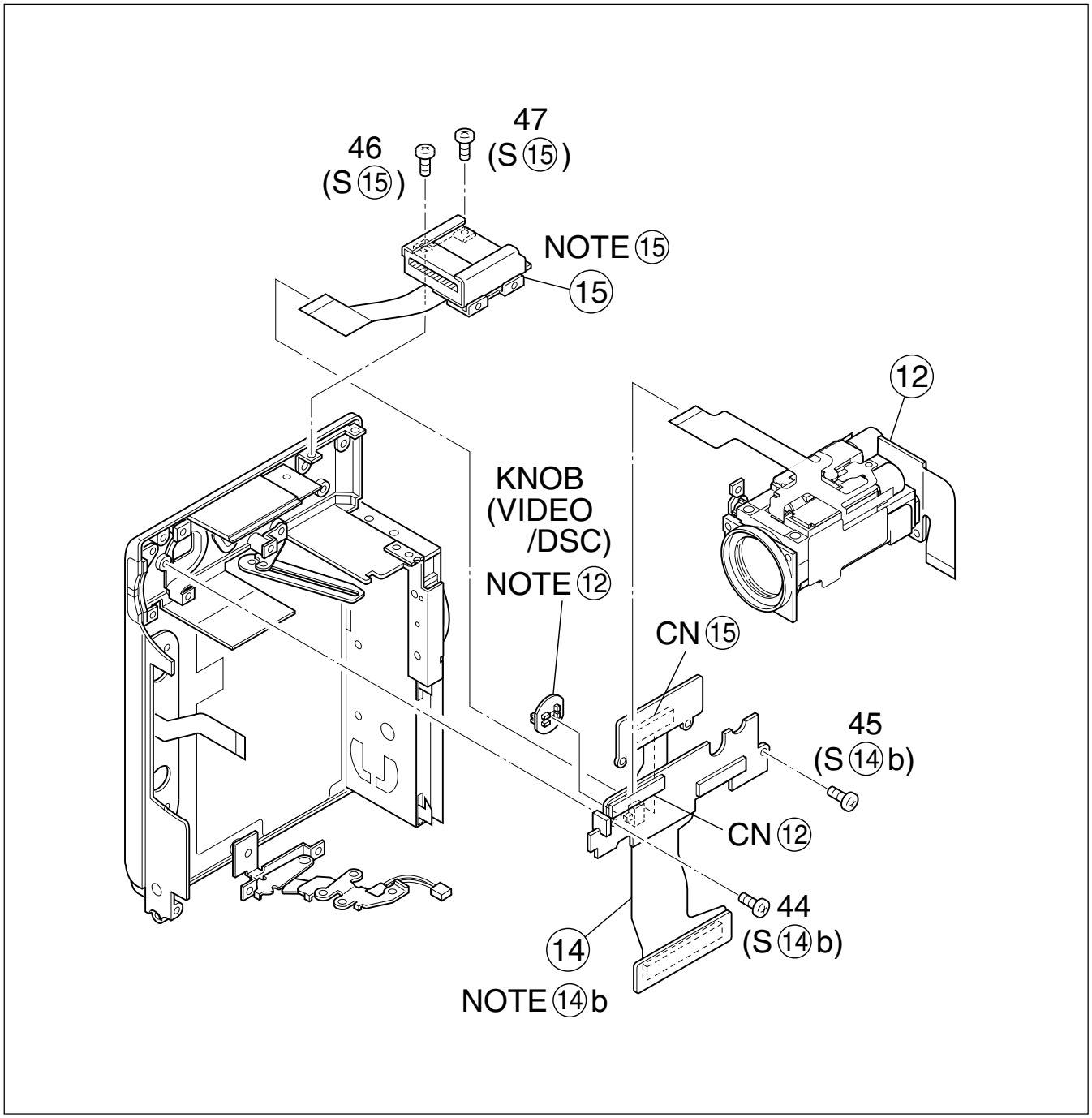


Fig. 1-8-2

Symbol No. →	①	②		③			④										⑤				⑥
Removing order of screw →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Place to stick screw →					✻	✻		✻									✻	✻	✻	✻	
Reference drawing →	Fig.1-3-1	Fig.1-3-2					Fig.1-3-3b										Fig.1-3-4				Fig.1-3-5
Screw tightening torque →	I										II		I				III				I

Symbol No. →	⑦								⑧			⑨		⑩				⑪ / ⑫			⑬		⑭		⑮	
Removing order of screw →	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Place to stick screw →																							✻	✻	✻	✻
Reference drawing →	Fig.1-3-6								Fig.1-3-7			Fig.1-3-8						Fig.1-3-9a					Fig.1-3-9b			
Screw tightening torque →	I																									

⑤ MONITOR ASSY					
Removing order of screw →	1	2	3	4	5
Place to stick screw →	✻	✻	✻		
Reference drawing →	Fig.1-4-1				
Screw tightening torque →	I			V	

⑬ E. VF UNIT						
Removing order of screw →	1	2	3	4	5	6
Place to stick screw →						
Reference drawing →	Fig.1-6-1					
Screw tightening torque →	IV					

⑫ OP BLOCK ASSY								
Removing order of screw →	1	2	3	4	5	6	7	8	9
Place to stick screw →								
Reference drawing →	Fig.1-5-1							
Screw tightening torque →	II							

< NOTE >

1) ✻ : Don't reuse the screw, because screw lock bond was applied to them.

2) Pay careful attention to tightening torque for each screw.

I : 0.078N·m (0.8kgf·cm) II : 0.118N·m (1.2kgf·cm) III : 0.098N·m (1.0kgf·cm)

IV : 0.069N·m (0.7kgf·cm) V : 0.058N·m (0.6kgf·cm)

Table 1-9-1

SECTION 2
MECHANISM ADJUSTMENT

2.1 PRELIMINARY REMARKS ON ADJUSTMENT AND REPAIR

2.1.1 Precautions

1. When fastening parts, pay careful attention to the tightening torque of each screw. Unless otherwise specified, tighten a screw with the torque of 0.039 N•m (0.4 kgf•cm).
2. Be sure to disconnect the set from the power supply before fastening and soldering parts.
3. When disconnecting/connecting wires, be careful not to get them and their connectors damaged. (Refer to the Section 1.)
4. When replacing parts, be very careful neither to damage other parts nor to fit wrong parts by mistake.

2.1.2 Notes on procedure for disassemby/assembly

The disassembling procedure table (Table 2-4-1 on page 2-5,a part of the table is shown below for reference)shows the procedure to disassemble/reassemble mechanism parts.
Carefully read the following explanation before starting actual disassembling/reassembling work. The item numbers (circled numbers)in the following explanation correspond to those appearing under respective columns of the table.

(1) Circled numbers appearing in this column indicate the order to remove parts. When reassembling, follow these numbers in the reverse order. Circled numbers in this column correspond to those appearing in drawings of this section.

(2) This column shows part names corresponding to circled numbers in the left column.

(3) The symbol (T or B)appearing in this column shows the side which the objective part is mounted on.
T =the upper side, B =the lower side

(4) Symbols appearing in this column indicate drawing numbers.
Step Part Name Fig. Point Note Remarks

(5) This column indicates parts and points such as screws, washers,springs,and others to be removed/fitted for disassembling/reassembling the mechanism. Besides such the parts, this column occasionally indicates working points.

P = Spring
W = Washer
S = Screw
* = Lock (L),soldering (SD),shield,connector (CN), etc.

Example
- Remove ((W1)=Washer W1.
- **Remove the solder at (SD1)=Point SD1.
- **Disconnect Ⓐ =Connector Ⓐ .

(6) Numbers in this column represent the numbers of notes in the text.
(For parts that need phase adjustment after reassembling, refer to “2.6 MECHANISM ADJUSTMENTS”.)

(7) This column indicates required after-disassembling/-reassembling work such as phase adjustment or mechanism adjustment.

NO.	PART NAME		FIG.	POINT	NOTE	REMARKS
①	CASSETTE HOUSING ASSY	T	Fig.2-4-3	3(S①),(L①a)-(L①e)	NOTE①a,b,c,d	ADJUSTMENT
②	UPPER BASE ASSY	T	Fig.2-4-4	(S②),(L②a),(L②b)	NOTE②	
③	DRUM ASSY	T		(S③a),2(S③b)	NOTE③a,b	
④	REEL DISK ASSY(SUP)	T	Fig.2-4-5	(W④)	NOTE④a	
⑤	REEL DISK ASSY(TU)	T		(W⑤)	NOTE⑤	
⑥	REEL COVER ASSY	T		2(W⑥),2(S⑥a),(S⑥b)	NOTE⑥	ADJUSTMENT

(1) (2) (3) (4) (5) (6) (7)

2.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

2.2.1 Tools required for adjustments

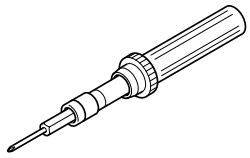
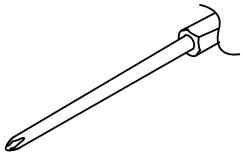
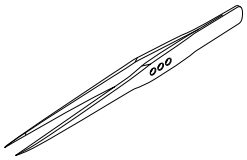
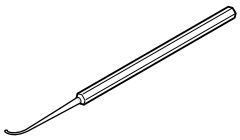
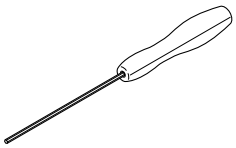
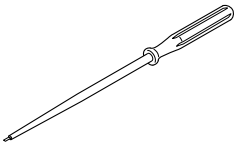
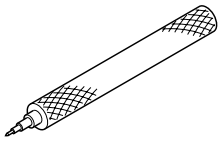
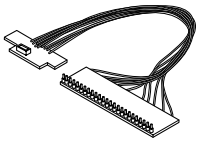
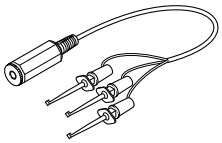
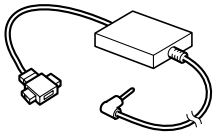
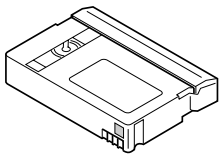
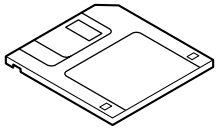
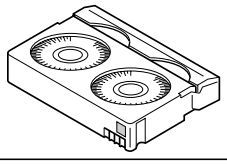
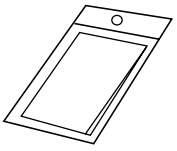
1 Torque driver YTU94088	2 Bit YTU94088-003
	
3 Tweezers P-895	4 Chip IC replacement jig PTS40844-2
	
5 Guide driver (Hexagonal) D-770-1.27	6 Adjustment driver YTU94028
	
7 Slit washer installation jig YTU94121A	8 Jig connector cable YTU93106C
	
9 Communication cable YTU93107A	10 PC cable QAM0099-002
	
11 Alignment tape MC-1	12 Service support system YTU94057-61
	
13 Cassette torque meter YTU94151A	14 Cleaning cloth KSMM-01
	

Table 2-2-1

1. Torque driver
Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.

2. Bit
This bit is slightly longer than those set in conventional torque drivers.

3. Tweezers
To be used for removing and installing parts and wires.

4. Chip IC replacement jig
To be used for adjustment of the camera system.

5. Guide driver (Hexagonal)
To be used to turn the guide roller to adjustment of the linarity of playback envelope.

6. Adjustment driver
To be used for adjustment.

7. Slit washer installation jig
To be used to install slit washers.

8. Jig connector cable
Connected to CN114 of the main board and used for electrical adjustment, etc.

9. Communication cable
Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.

10. PC cable
To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.

11. Alignment tape
To be used for check and adjustment of interchangeability of the mechanism.

12. Service support system
To be used for adjustment with a personal computer.

13. Cassette torque meter
This is used to cheek the back tension and play torque during mechanism adjustment.

Note: *When using the cassette torque meter, install the service support system software in advance.*
- *LED : Forced to ON*
- *EJECT SW : OFF (Cancel)*

The above setting is required to prevent any tape damage that may occur because the cassette torque meter cannot detect the leading/trailing sections of the tape.

14. Cleaning cloth
Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

2.3 DISASSEMBLY/ASSEMBLY OF MECHANISM ASSEMBLY

2.3.1 General statement

The mechanism should generally be disassembled/assembled in the C.IN mode (ASSEMBLY mode). (Refer to Fig. 2-3-1,2.)
However, when the mechanism is removed from the main body, it is set in the STOP mode. Therefore, after the mechanism is removed from the main body, supply 3 V DC to the electrode on the top of the loading motor to enter the mechanism mode into the C IN mode compulsory.

<Mechanism assembly/Cassette housing assembly>

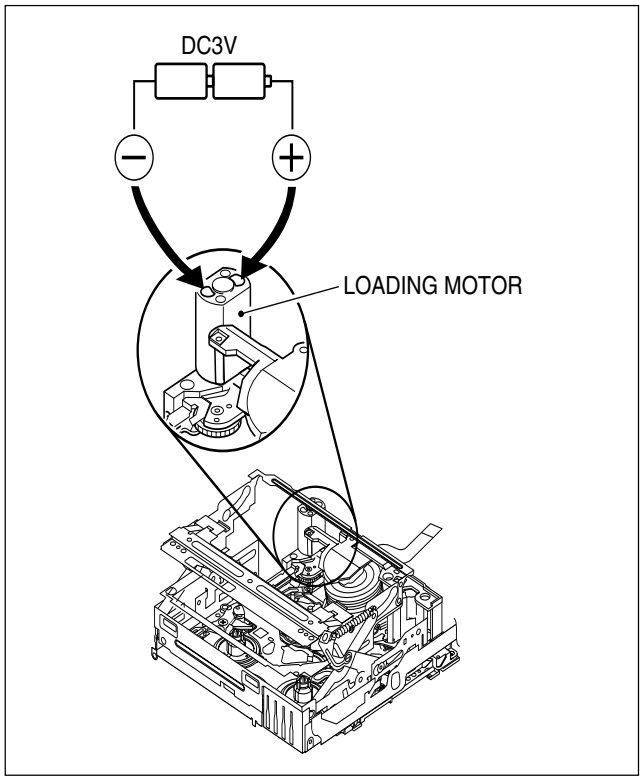


Fig. 2-3-1

<Back side of the mechanism assembly>

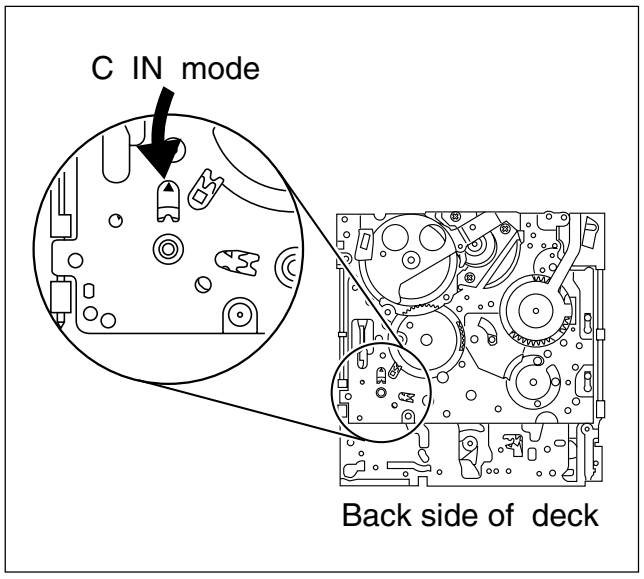


Fig. 2-3-2

2.3.2 Explanation of mechanism mode

The mechanism mode of this model is classified into five modes as shown in Table 2-3-1. Each mechanism mode can be distinguished from others by the relative position of "△", "○", "⬭" "□" marks on the sub cam gear to the inner or outer protrusion on the main deck.
Refer to Fig. 2-3-3 to 2-3-8 below.

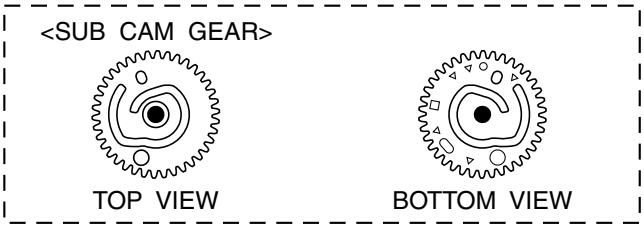


Fig. 2-3-3

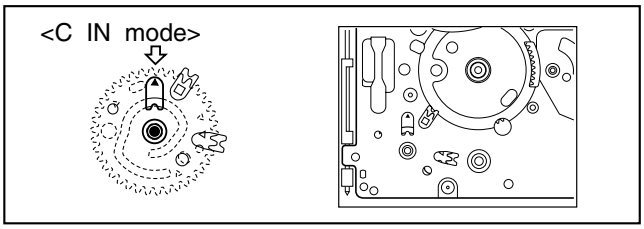


Fig. 2-3-4

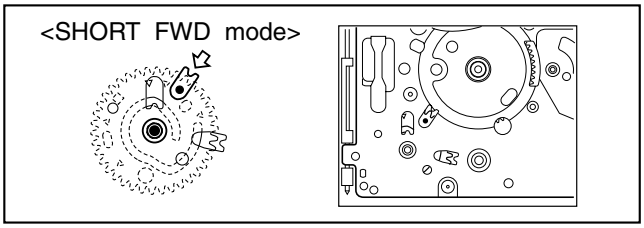


Fig. 2-3-5

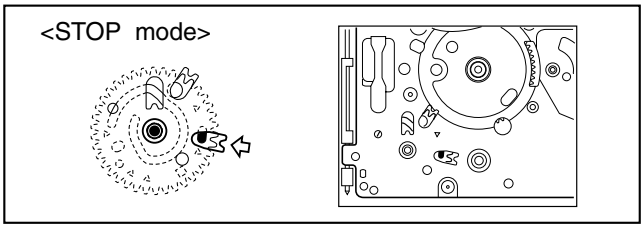


Fig. 2-3-6

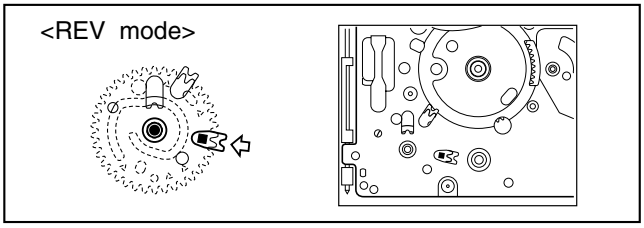


Fig. 2-3-7

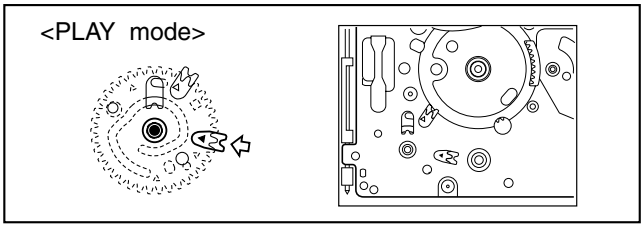


Fig. 2-3-8

2.3.3 Mechanism timing chart

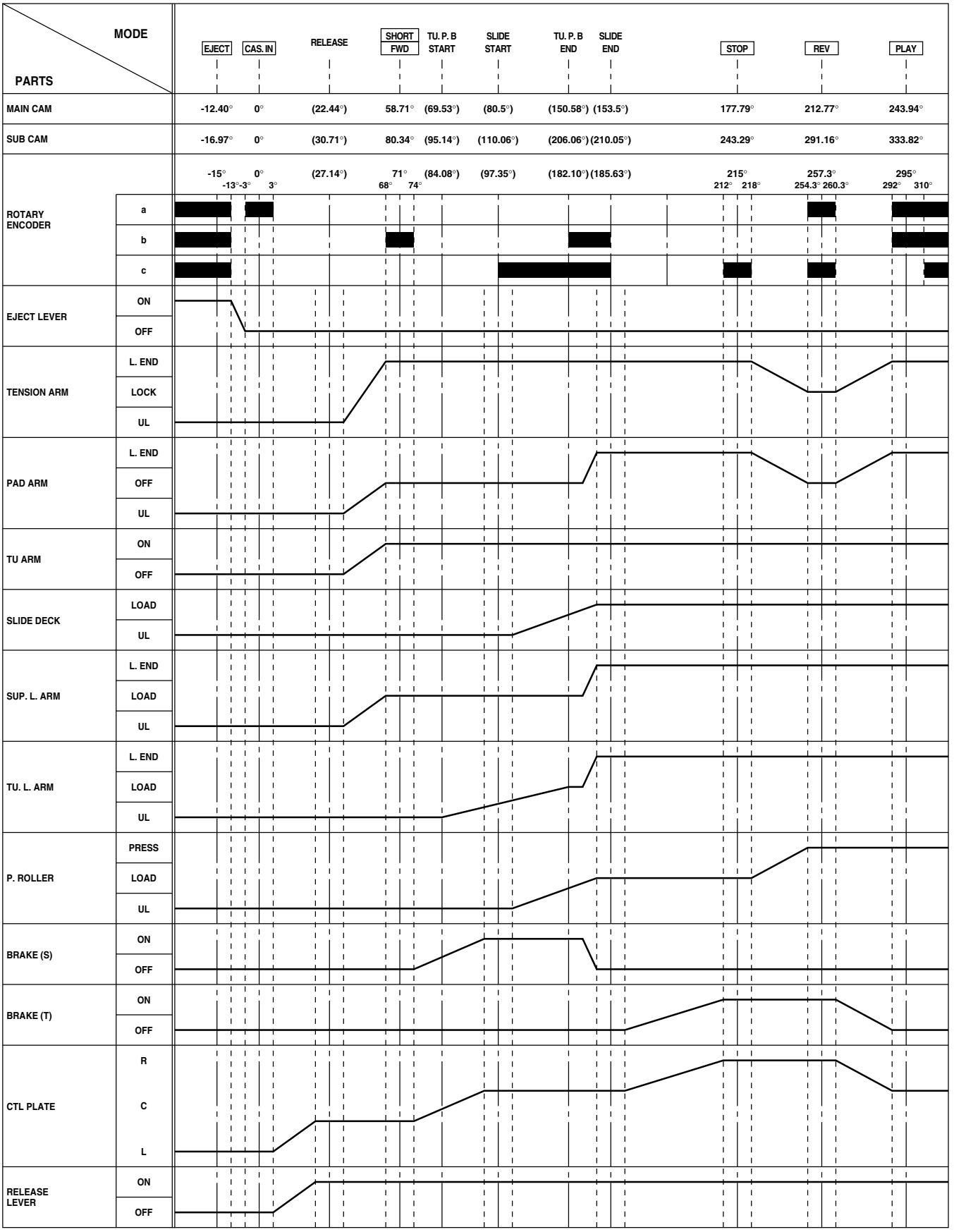


Table 2-3-1

2.4 DISASSEMBLING PROCEDURE TABLE

MARK: ★ After assembly, perform adjustments.

NO.	PART NAME		FIG.	POINT	NOTE	REMARKS
①	CASSETTE HOUSING ASSY	T	Fig.2-4-3	3(S①),(L①a)-(L①e)	NOTE①a,b,c,d	ADJUSTMENT
②	UPPER BASE ASSY	T	Fig.2-4-4	(S②),(L②a),(L②b)	NOTE②	
③	DRUM ASSY	T		(S③a),2(S③b)	NOTE③a,b	
④	REEL DISK ASSY(SUP)	T	Fig.2-4-5	(W④)	NOTE④	
⑤	REEL DISK ASSY(TU)	T		(W⑤)	NOTE⑤	
⑥	REEL COVER ASSY	T		2(W⑥),2(S⑥a),(S⑥b)	NOTE⑥	ADJUSTMENT
⑦	TENSION ARM ASSY	T	Fig.2-4-6	—	NOTE⑦	ADJUSTMENT / ★
⑧	SLANT POLE ARM ASSY	T		(P8)	NOTE⑧	ADJUSTMENT
⑨	TU ARM ASSY	T		—	NOTE⑨	ADJUSTMENT
⑩	SWING ARM ASSY	T		(S⑩)	NOTE⑩	ADJUSTMENT
⑪	SLIDE DECK ASSY	T	Fig.2-4-7a	2(S⑪a),(S⑪b),2(L⑪a), 2(L⑪b),(L⑪c)	NOTE⑪a,b	ADJUSTMENT / ★
⑫	PAD ARM ASSY	T	Fig.2-4-7b	(P⑫),(L⑫),(W⑫)	NOTE⑫	ADJUSTMENT / ★
⑬	SUP BRAKE ASSY	T		(P⑬),(L⑬),(S⑬)	NOTE⑬	ADJUSTMENT
⑭	TU BRAKE ASSY	T		(P⑭),(L⑭),(W⑭)	NOTE⑭	ADJUSTMENT
⑮	TENSION CTL LEVER ASSY	T	Fig.2-4-8	(W⑮)	NOTE⑮	ADJUSTMENT
⑯	CENTER GEAR	T		—	NOTE⑯	
⑰	PINCH ROLLER ARM F. ASSY	T		(W⑰)	NOTE⑰	
⑱	TENSION CTL PLATE ASSY	T		—	NOTE⑱	ADJUSTMENT
⑲	BRAKE CTL LEVER ASSY	T		—	NOTE⑲	ADJUSTMENT
⑳	MOTOR BRACKET ASSY	T	Fig.2-4-9	3(S⑳),(L⑳a),2(L⑳b)	NOTE⑳	ADJUSTMENT
㉑	GUIDE RAIL ASSY	T		2(W㉑),(S㉑),2(L㉑a),(L㉑b)	NOTE㉑	ADJUSTMENT
㉒	SLIDE LEVER 2 ASSY	T		—	NOTE㉒	ADJUSTMENT / ★
㉓	LOADING PLATE ASSY	T		(W㉓)	NOTE㉓	ADJUSTMENT
㉔	MODE GEAR	T		—	NOTE㉔	
㉕	EJECT LEVER	T		(W㉕)	NOTE㉕	ADJUSTMENT
㉖	BASE R ASSY	T	Fig.2-4-10	(S㉖a),(S㉖b),2(L㉖)	NOTE㉖	ADJUSTMENT
㉗	ROTARY ENCODER	T		2(S㉗)	NOTE㉗	PHASE ADJUSTMENT
㉘	GEAR COVER ASSY	T		(S㉘a),2(S㉘b)	—	
㉙	MAIN CAM ASSY	T		—	NOTE㉙	PHASE ADJUSTMENT
㉚	SLIDE ARM ASSY	T	Fig.2-4-11	—	NOTE㉚	ADJUSTMENT
㉛	CONNECT GEAR 2	T		—	NOTE㉛	
㉜	SUB CAM ASSY	T		(S㉜)	NOTE㉜	PHASE ADJUSTMENT
㉝	CONTROL ARM ASSY	T		—	NOTE㉝	ADJUSTMENT
㉞	REEL GEAR 1	T		—	NOTE㉞	
㉟ / ㊱	DRUM BASE ASSY/ CAPSTAN MOTOR	T	Fig.2-4-12	3(S㉟)	NOTE㉟a,b	ADJUSTMENT
㊱	CAPSTAN MOTOR	T		(S㊱)	NOTE㊱	ADJUSTMENT
㊲	MAIN DECK ASSY	T		—	—	

Table 2-4-1

< TOP VIEW >

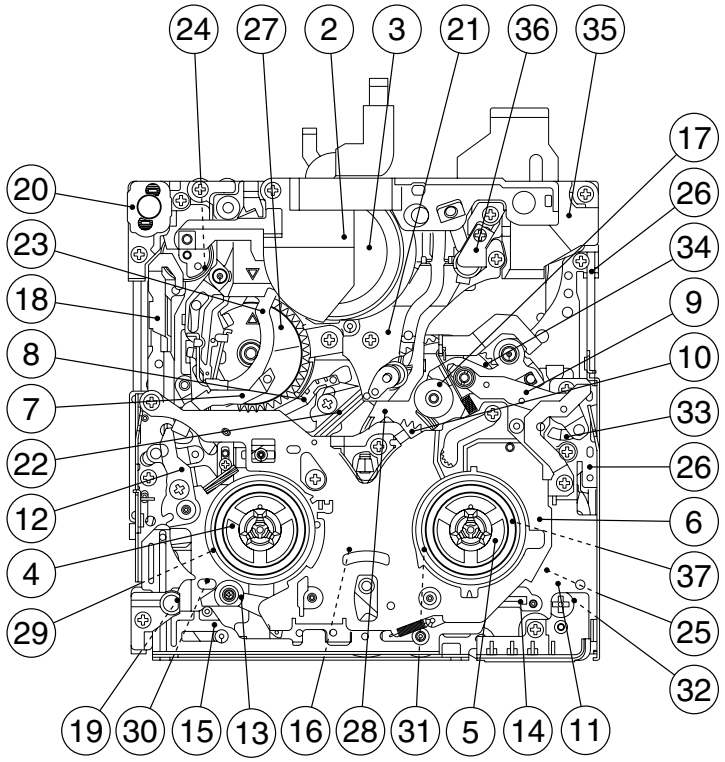


Fig. 2-4-1

< BOTTOM VIEW >

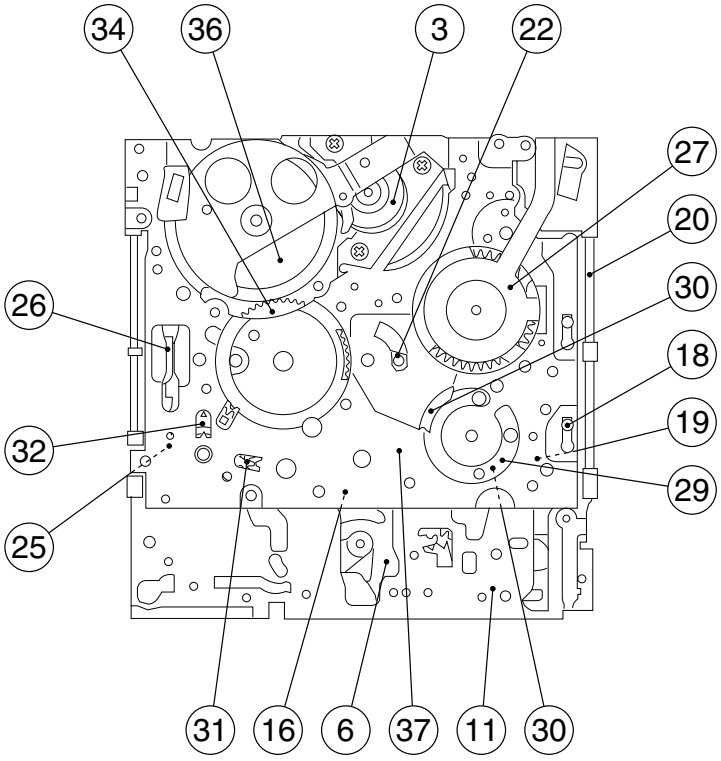


Fig. 2-4-2

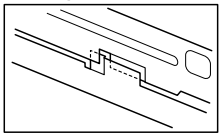
2.4.1 Disassembly/assembly

1. ① CASSETTE HOUSING ASSY

NOTE①a:
Be careful not to damage any of the parts during work.

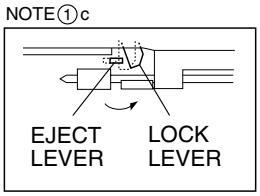
NOTE①b:
Special care is required in mounting.

NOTE①b



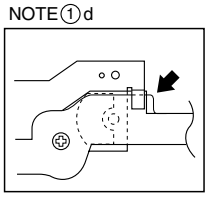
NOTE①c:
When mounting, the CASSETTE HOUSING ASSY should be attached in the Eject status. Pay heed to the positions of the LOCK LEVER and EJECT LEVER during mounting.

NOTE①c



NOTE①d:
When mounting, be sure to locate the FPC in the gap.

NOTE①d



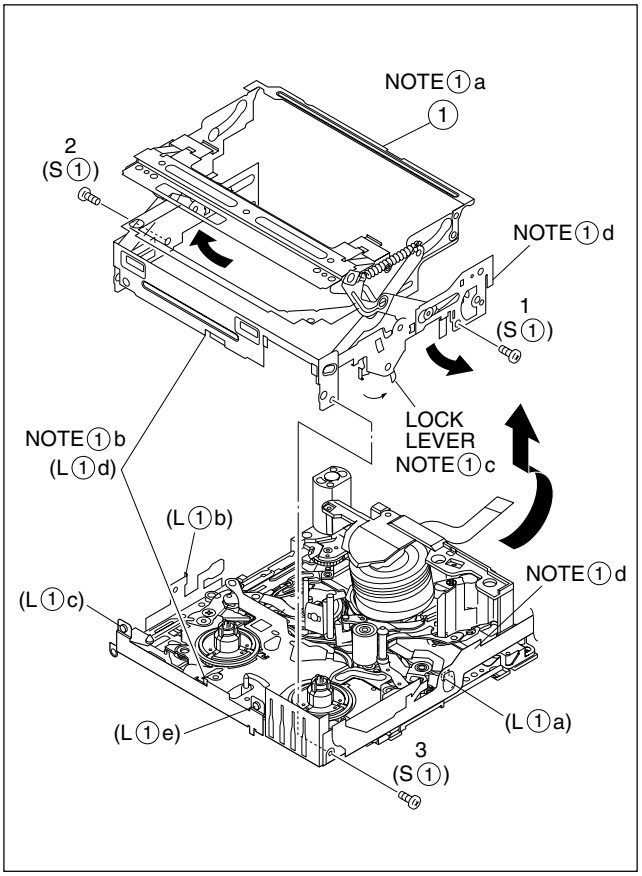
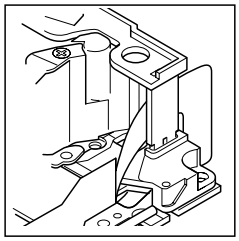


Fig. 2-4-3

2. ② UPPER BASE ASSY
   ③ DRUM ASSY

NOTE②:
When mounting, be sure to insert the FPC reinforcing sheet.

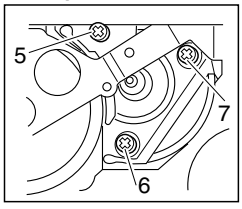
NOTE②



NOTE③a:
Be mindful of scratches or damage during work.

NOTE③b:
Be careful not to attach screws incorrectly.

NOTE③b



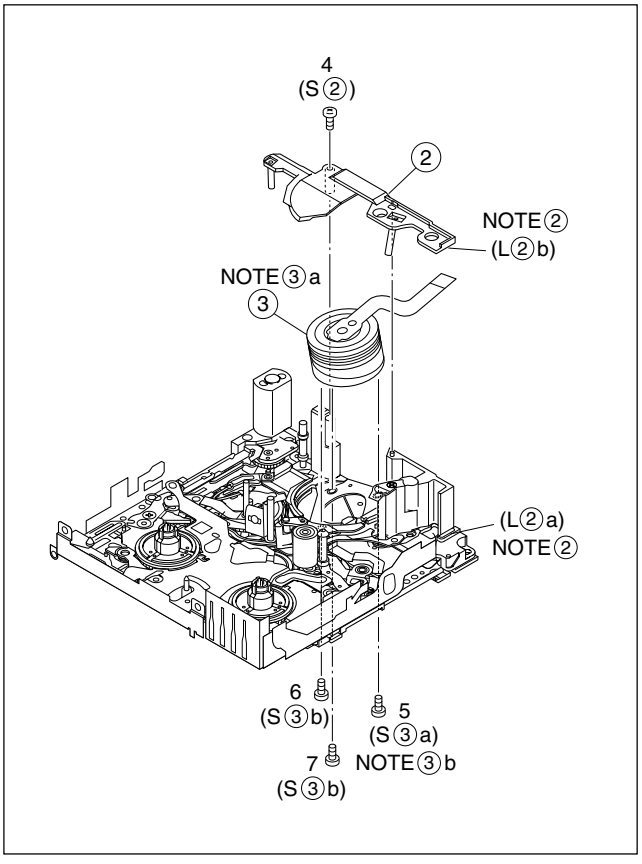
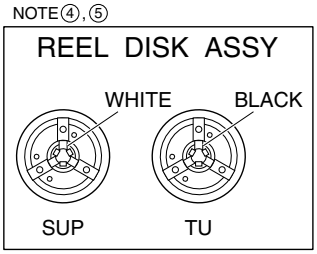


Fig. 2-4-4

3. ④ REEL DISK ASSY(SUP)
   ⑤ REEL DISK ASSY(TU)
   ⑥ REEL COVER ASSY

NOTE④:
Be careful not to attach the REEL DISK wrongly. The Supply side can be identified by the white color at the center.

NOTE④,⑤

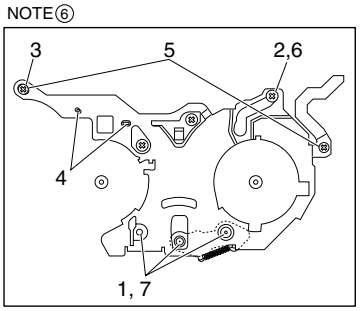


NOTE⑤:
Be careful not to attach the REEL DISK wrongly. The Take-up side can be identified by the black color at the center.

NOTE⑥:
Perform the following steps for mounting.

1. Align the 2 holes with the pins.
2. Attach the PINCH ROLLER ARM ASSY by aligning the positions.
3. Attach the SUB DECK ASSY by aligning the positions.
4. Check that the parts below them are located in the correct positions.
5. Tighten the 2 screws.
6. Tighten the screw.
7. Attach the 2 SLIT WASHER parts.

NOTE⑥



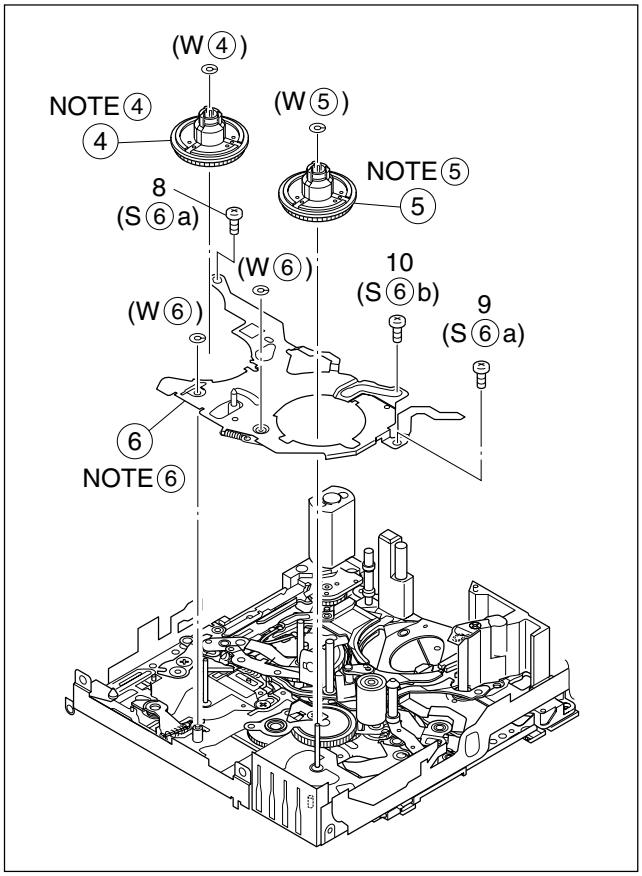
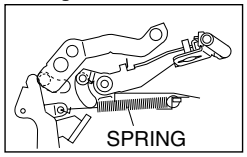


Fig. 2-4-5

4. ⑦ TENSION ARM ASSY
   ⑧ SLANT POLE ARM ASSY
   ⑨ TU ARM ASSY
   ⑩ SWING ARM ASSY

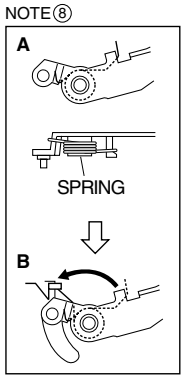
NOTE⑦:
When detaching, remove the spring of the ⑫ PAD ARM ASSY in advance.
Pay attention to the attachment position.

NOTE⑦



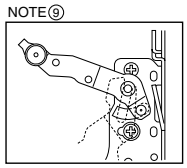
NOTE⑧:
When mounting the SLANT POLE ARM ASSY, hook the spring onto the lug as in diagram A, and fit the combination onto the SLIDE DECK ASSY. After fitting, hook the spring onto the lug of the SLIDE DECK ASSY as in diagram B.
Be careful not to lose the spring.

NOTE⑧



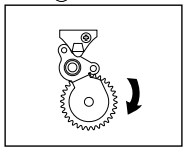
NOTE⑨:
Pay attention to the mounting position.

NOTE⑨



NOTE⑩:
When detaching, remove the screw then remove the SWING ARM ASSY by pulling it up and turning it.

NOTE⑩



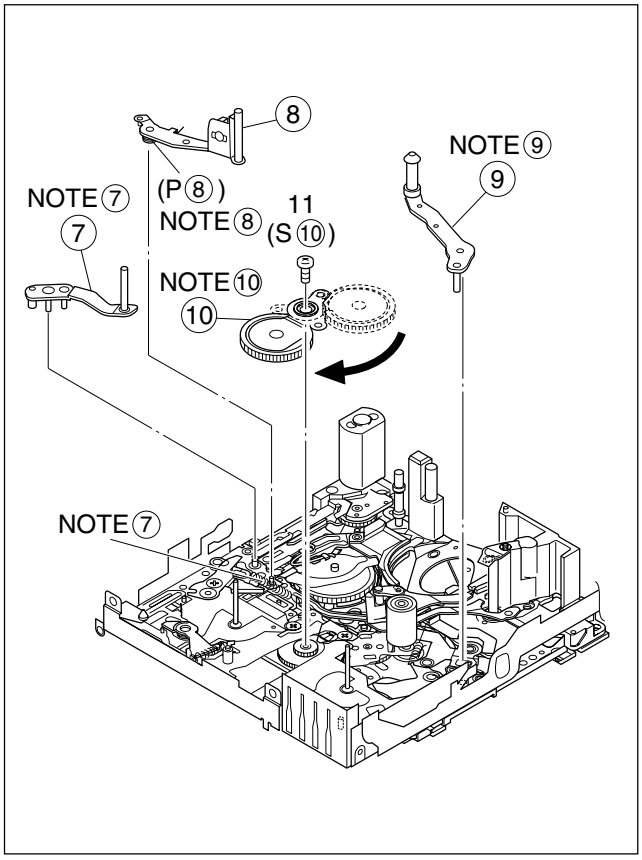


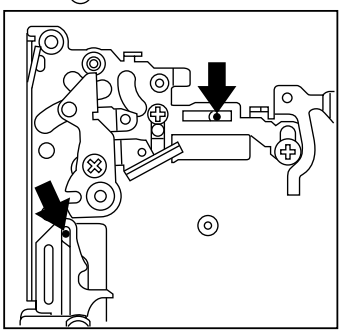
Fig. 2-4-6

5. ⑪ SLIDE DECK ASSY

NOTE⑪a:
Each of the parts on the SLIDE DECK ASSY can be replaced separately.
When detaching the assembly, if there is no need to replace any of its parts, remove the SLIDE DECK ASSY as it is.

NOTE⑪b:
When mounting, pay attention to the positions of the ㉒ SLIDE LEVER (2) studs and the ⑲ BRAKE CONTROL LEVER ASSY.
When mounting, position the CONTROL PLATE on the left side.
Pay attention to the position of the SLIDE GUIDE PLATE during mounting.

NOTE⑪b



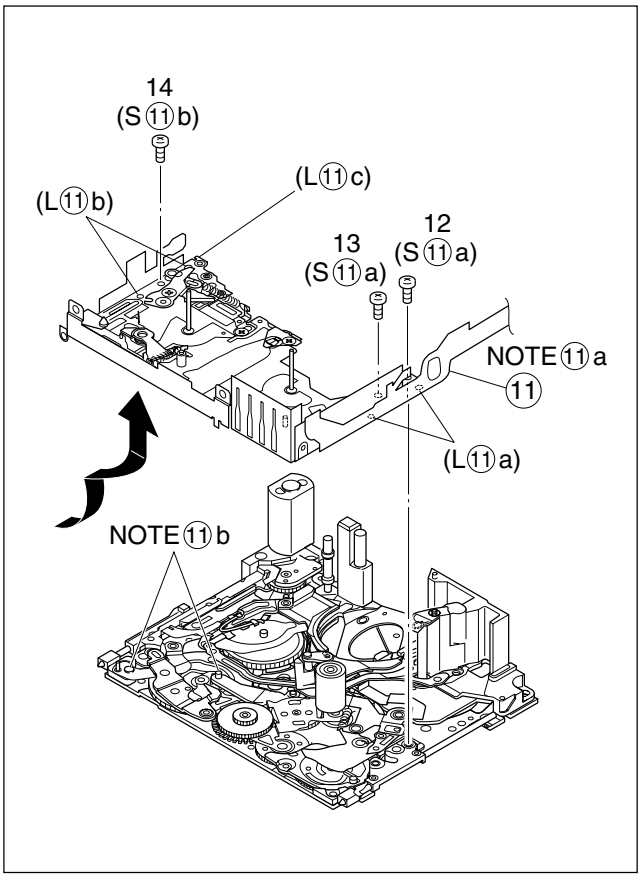


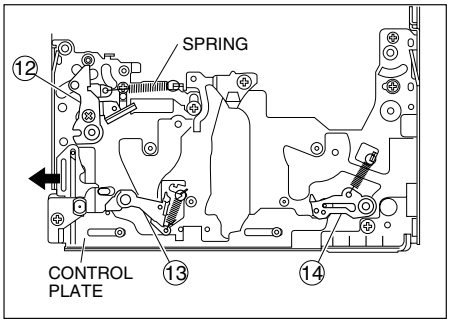
Fig. 2-4-7a

6. ⑫ PAD ARM ASSY
⑬ SUP BRAKE ASSY
⑭ TU BRAKE ASSY

NOTE⑫:
The spring may have already been disengaged when the ⑧ SLANT POLE ARM ASSY was removed.

NOTES⑬/⑭:
When mounting, pay attention to the correct positioning.
Mount the CONTROL PLATE by moving it fully toward the left side.

NOTE⑫⑬⑭



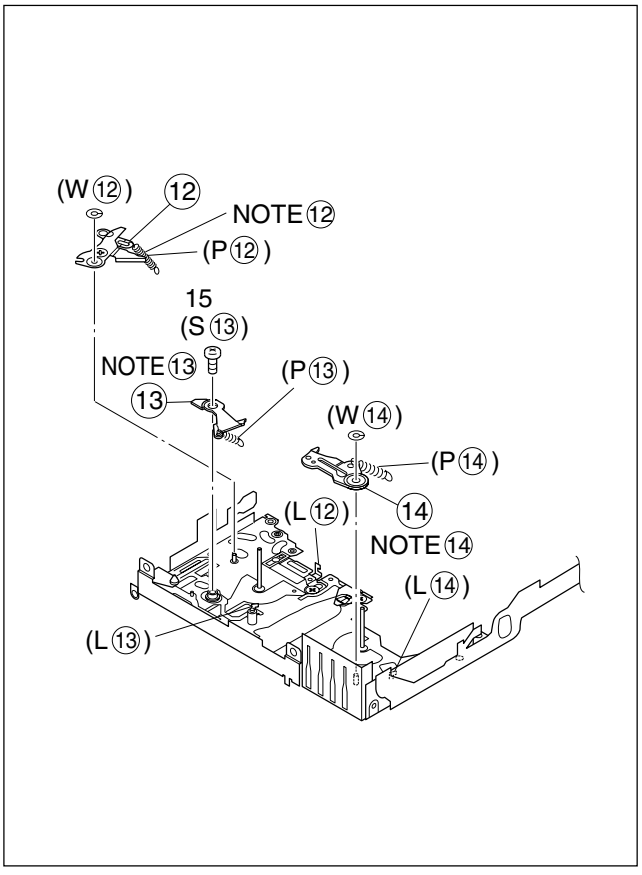
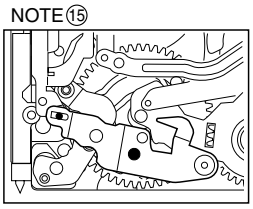


Fig. 2-4-7b

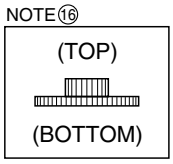
7. ⑮ TENSION CTL LEVER ASSY
   ⑯ CENTER GEAR
   ⑰ PINCH ROLLER ARM F. ASSY
   ⑱ TENSION CTL PLATE ASSY
   ⑲ BRAKE CTL LEVER ASSY

NOTES⑮/⑯:
When mounting, pay attention to the correct positioning.

NOTE⑮

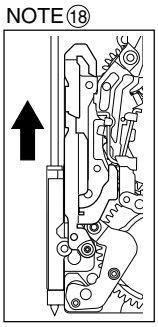


NOTE⑯

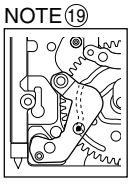


NOTES⑱/⑲:
When mounting, pay attention to the correct positioning.

NOTE⑱

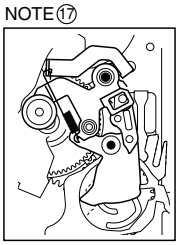


NOTE⑲



NOTE⑰:
Take care against grease attachment during work.

NOTE⑰



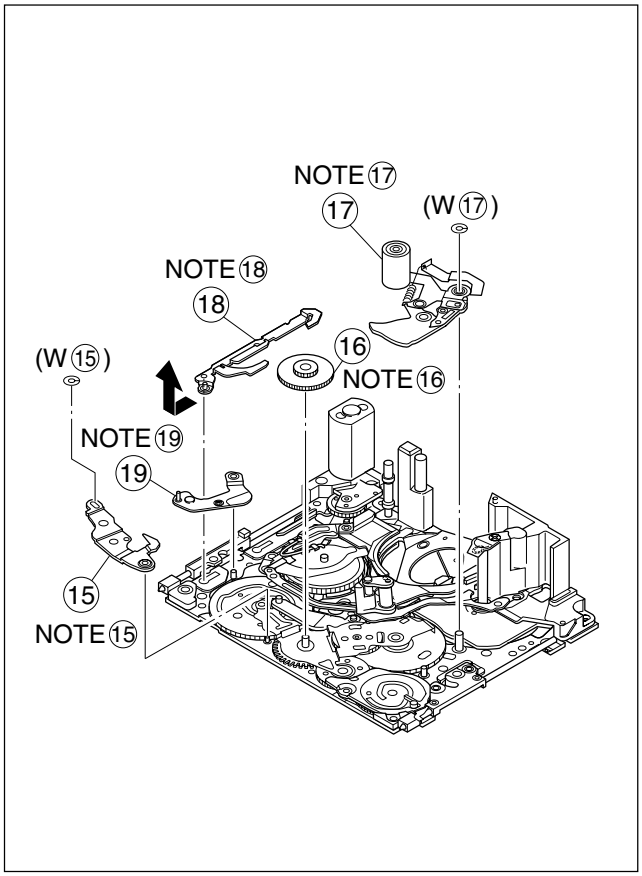
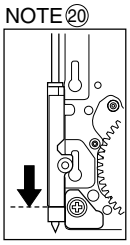


Fig. 2-4-8

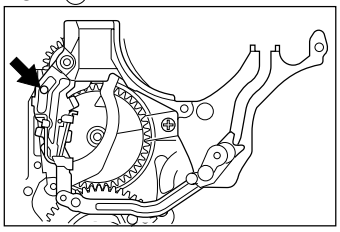
8. ⑳ MOTOR BRACKET ASSY
   ㉑ GUIDE RAIL ASSY
   ㉒ SLIDE LEVER 2 ASSY
   ㉓ LOADING PLATE ASSY
   ㉔ MODE GEAR
   ㉕ EJECT LEVER

NOTE⑳



NOTE⑳:
When mounting, pay attention to the positioning of the sliding parts.

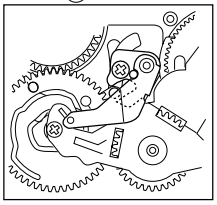
NOTE㉑



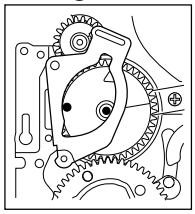
NOTE㉑:
When mounting, take care that no part is allowed to float or rattle.

NOTES㉒/㉓/㉔/㉕:
When mounting, pay attention to the correct positioning.

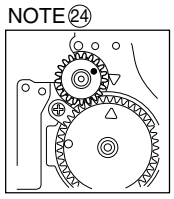
NOTE㉒



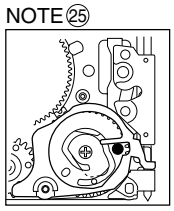
NOTE㉓



NOTE㉔



NOTE㉕



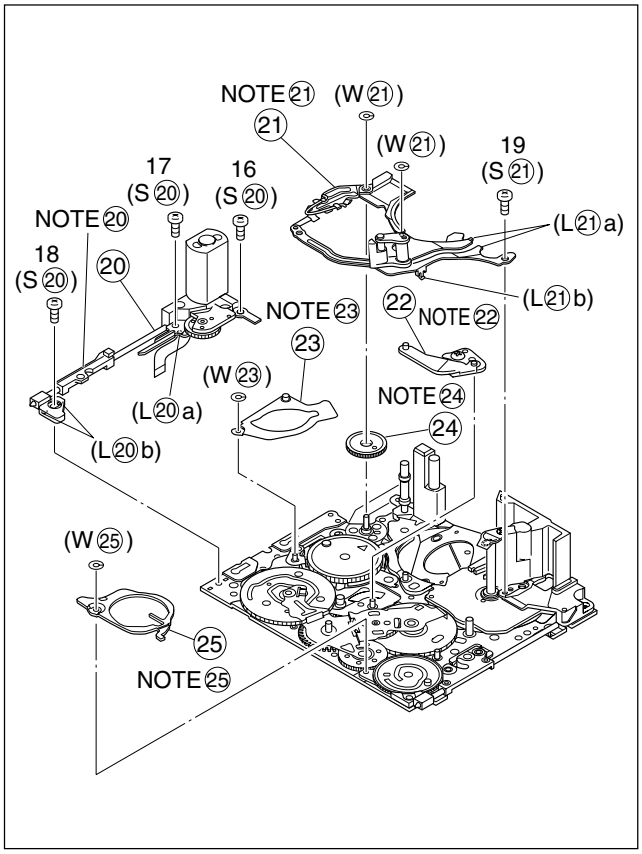
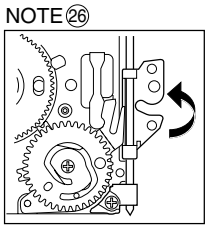


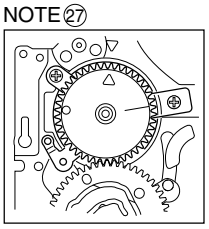
Fig. 2-4-9

9. ㉖ BASE R ASSY
㉗ ROTARY ENCODER
㉘ GEAR COVER ASSY
㉙ MAIN CAM ASSY

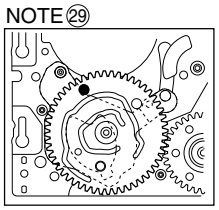
NOTE㉖:
When mounting, fold the sliding part to the inner side.



NOTE㉗:
When mounting, pay attention to the correct positioning and the FPC layout.



NOTE㉙:
When mounting, pay attention to the correct positioning.



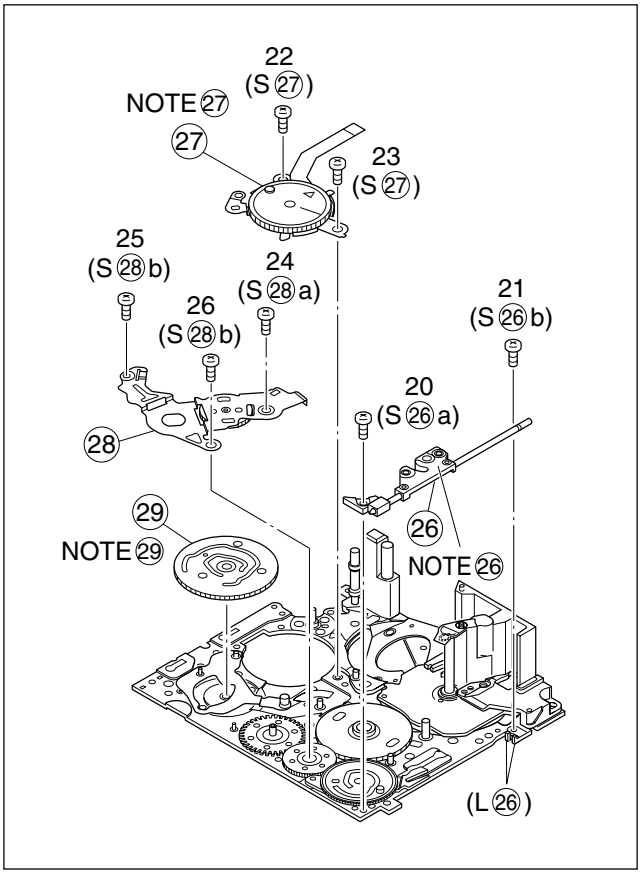
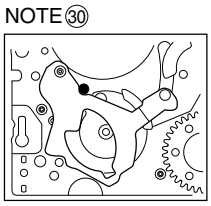


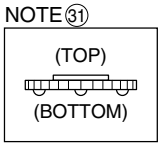
Fig. 2-4-10

10. ㉚ SLIDE ARM ASSY
㉛ CONNECT GEAR 2
㉜ SUB CAM ASSY
㉝ CONTROL ARM ASSY
㉞ REEL GEAR 1

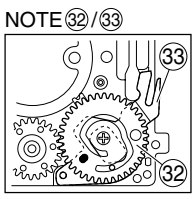
NOTE㉚:
When mounting, pay attention to the correct positioning and the FPC layout.

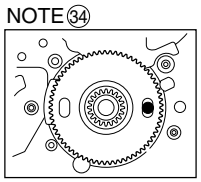


NOTE㉛:
When mounting, pay attention to the position of the front and back.



NOTES㉜/㉝/㉞:
When mounting, pay attention to the correct positioning and the FPC layout.





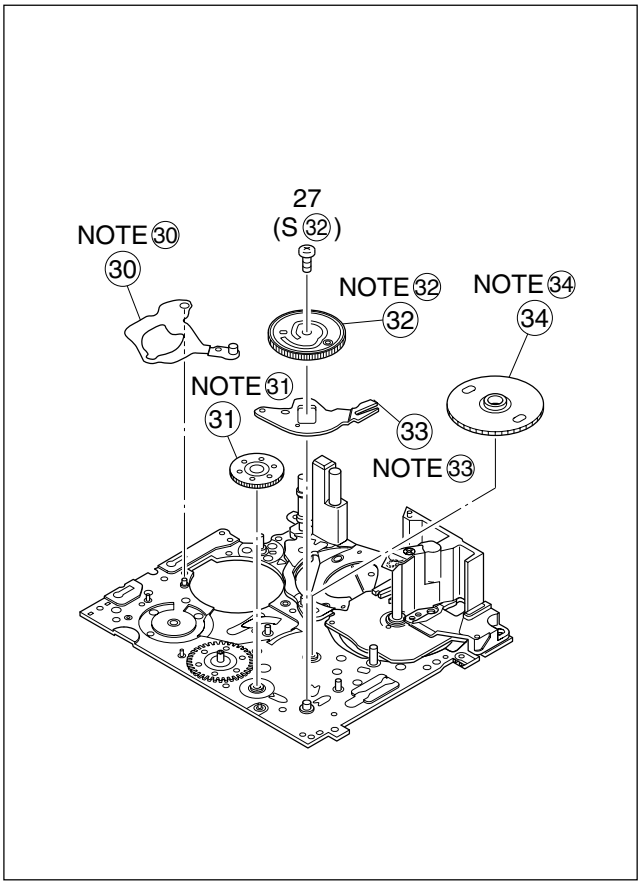


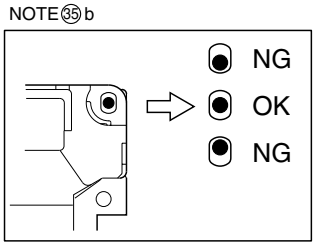
Fig. 2-4-11

11. ㉟ DRUM BASE ASSY
㊱ CAPSTAN MOTOR
㊲ MAIN DECK ASSY

NOTES ㉟ a /㊱:
When detaching, remove them together and then separate ㊱ from ㉟.

NOTE ㉟ b:
When mounting, attach the DRUM BASE ASSY so that the screw hole is located at the center of the ellipse.

NOTE ㉟ b



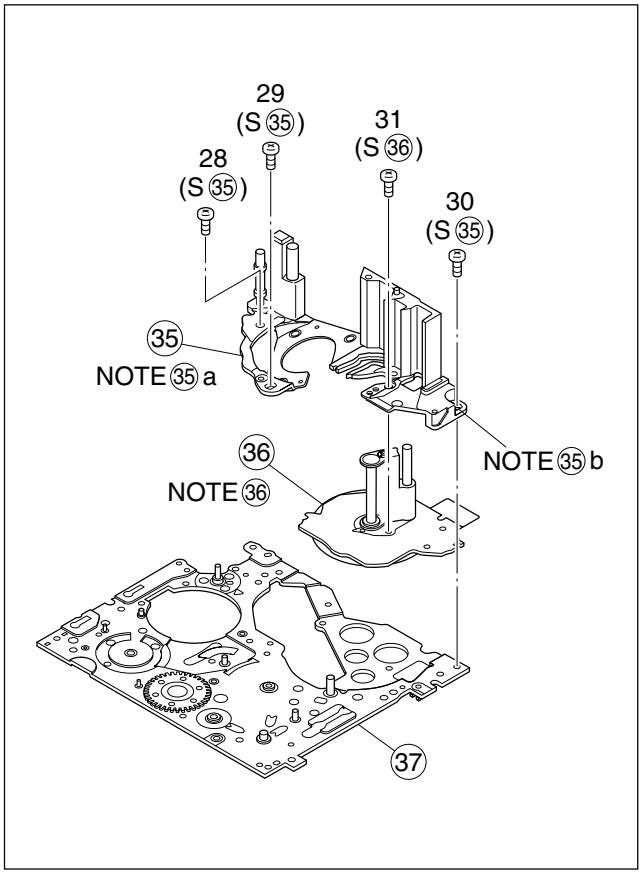


Fig. 2-4-12

2.4.2 List of procedures for disassembly

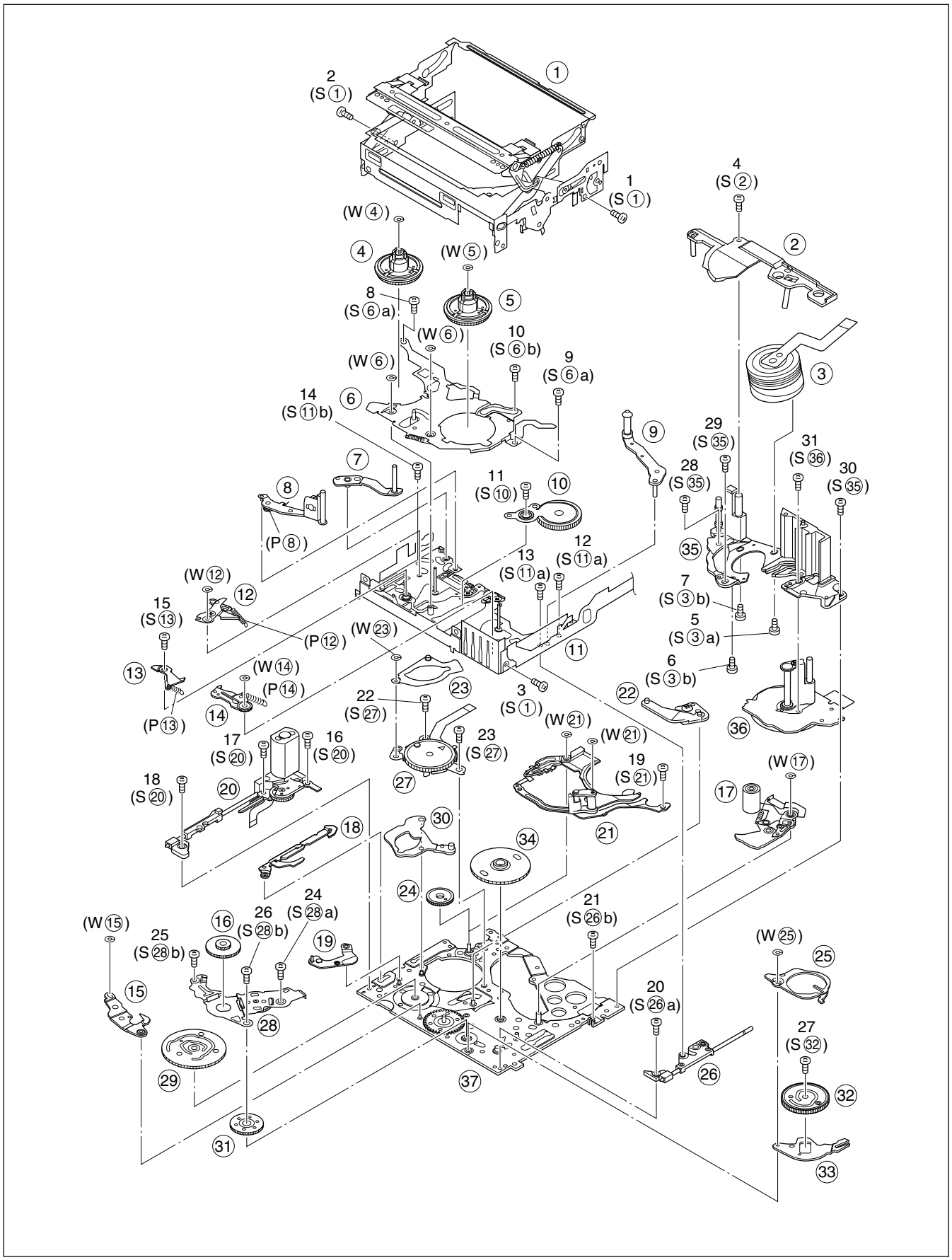
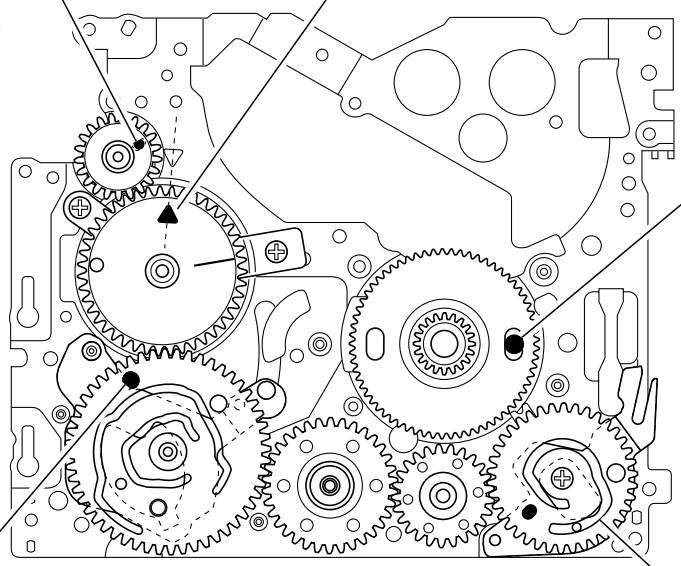


Fig. 2-4-13

2.5 CHECKUP AND ADJUSTMENT OF MECHANISM PHASE



(24) MODE GEAR
Align the MODE GEAR with the Main Deck Assembly hole.

Note:
The MODE GEAR may be displaced during the mechanism operation, however it can be checked from the rear and realigned during manual assembly.

(27) ROTARY ENCODER
Mount the ROTARY ENCODER by aligning its mark (△) and the mark (▽) of the Main Deck Assembly.

Note:
Be careful when handling the FPC during mounting.

(34) REEL GEAR 1
Align the REEL GEAR 1 with the Main Deck Assembly hole.

Note:
The REEL GEAR 1 may be displaced during mechanism operation, however this can be checked from the rear and realigned during manual assembly.

(29) MAIN CAM ASSY/ (30) SLIDE ARM ASSY
When mounting the SLIDE ARM ASSY align it with the Main Deck Assembly and MAIN CAM ASSY holes.

Note:
During the mounting procedure, make sure that the (32). SUB CAM ASSY is in the correct mounting position.

(32) SUB CAM ASSY/ (33) CONTROL ARM ASSY
Mount the SUB CAM ASSY hole to align with the CONTROL ARM ASSY and Main Deck Assembly holes and then tighten them all together with a screw.
The screw tightening torque should be 0.039 N•m (0.4 kgf•cm)

Note:
When mounting it, make sure that the (29) MAIN CAM ASSY is in the correct mounting position.

Fig. 2-5-1

2.6 MECHANISM ADJUSTMENTS

2.6.1 Adjustment of the slide guide plate

Use Fig. 2-6-1 as the reference unless otherwise specified.

1. Set the PLAY mode.
   See Fig. 2-3-8.
2. Loosen the screws (Ⓐ,Ⓑ).
3. With the Main Deck and Slide Deck Assemblies pushed into the unit, tighten the screws (Ⓐ,Ⓑ) while applying pressure to the stud (shaft) on the Slide Guide plate.
   The pressure applied should be enough to enable utilization of the rebounding force of the springs.
   The tightening torque should be 0.069 N•m (0.7 kgf•cm).
4. Check the operation.
   Repeat unloading and loading several times and make sure that these operations can be performed smoothly without producing rattles.

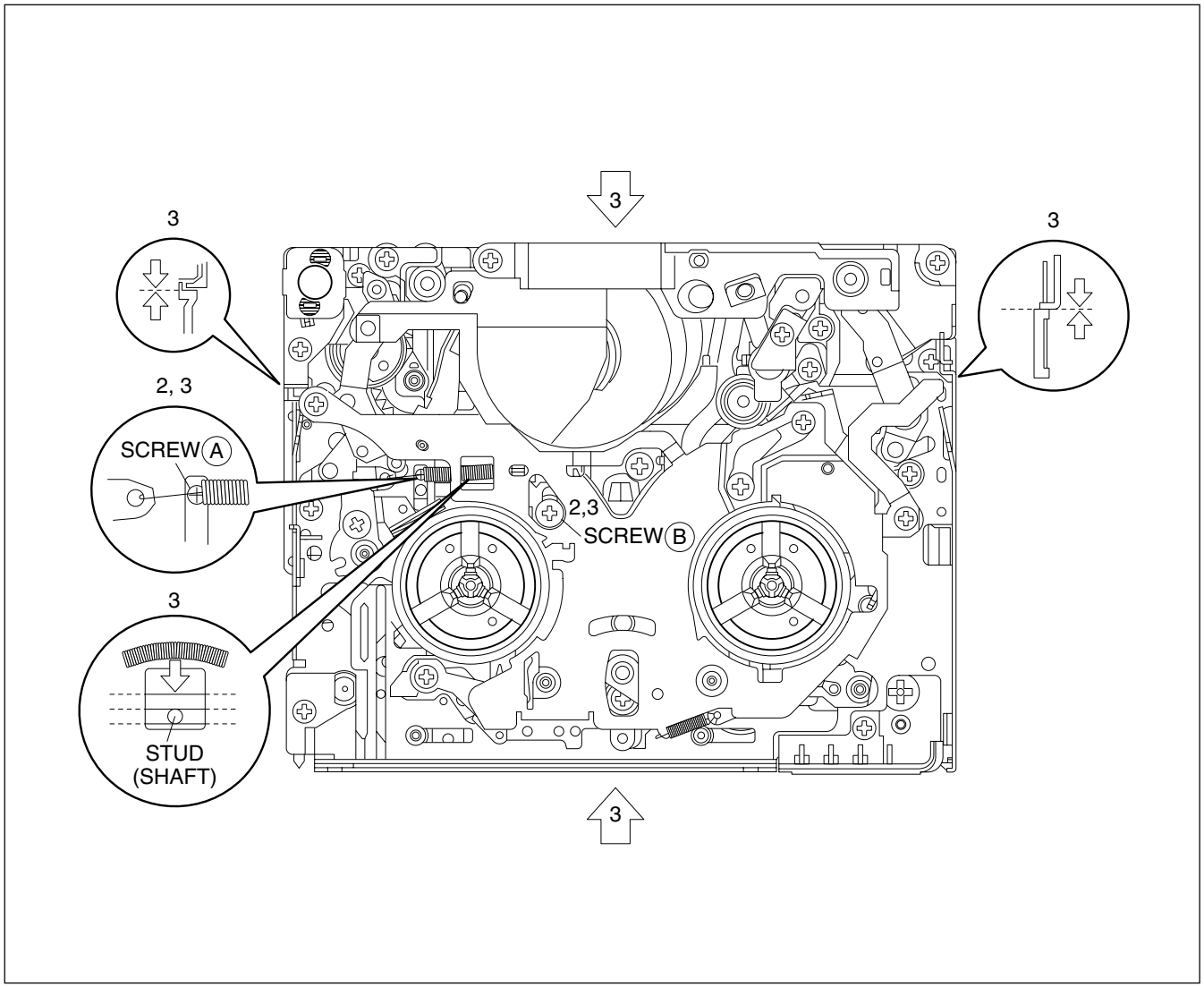


Fig. 2-6-1

2.6.2 Adjustment of the Tension Arm and Pad Arm Assemblies

Use Fig. 2-6-2 as the reference unless otherwise specified.

1. Set the PLAY mode.
   Se Fig. 2-3-8.
2. Loosen the screw Ⓐ.
3. With the take-up side at the bottom, align the extreme end of the Tension Arm Assembly with the crossed grooves on the screw Ⓑ that retains the Loading Motor Assembly and then tighten the screw Ⓐ.
   The tightening torque should be 0.069 N•m (0.7 kgf•cm).
4. Check the operation.
   Repeat unloading and loading several times and make sure that the Tension Arm Assembly is located within the normal range.

   Note : *With the above checking method, a Torque Meter is not used.*
   When a Torque meter is used, the following are the reference values:

   Back Tension : 1.96 to 5.88 mN•m x 0.1 (2 to 6 g•cm)
   Play Torque : 6.86 to 10.78 mN•m x 0.1 (7 to 11g•cm)

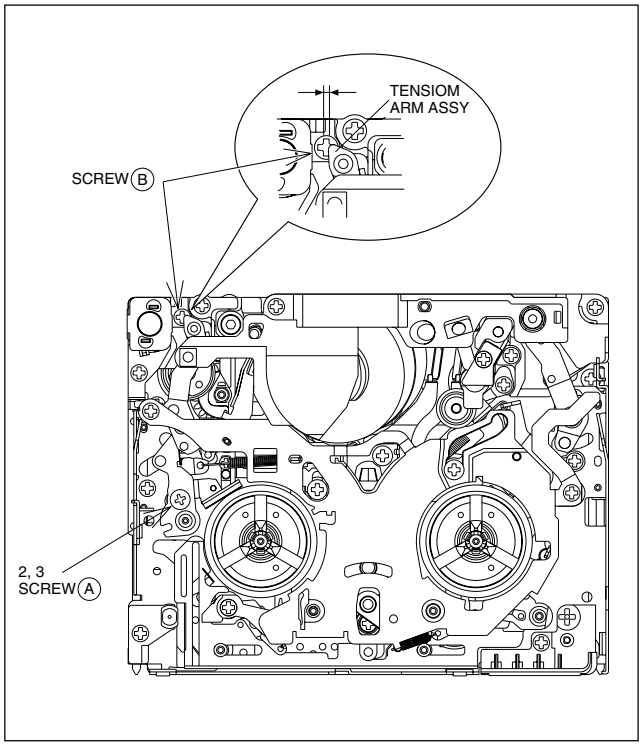


Fig. 2-6-2

2.6.3 Adjustment of the Slide Lever 2

Use Fig. 2-6-3 as the reference unless otherwise specified.

1. Set the C IN mode.
   See Fig. 2-3-4.
2. Loosen the screw Ⓐ.
3. Set the Main Deck and Slide Deck Assemblies apart so that they do not rattle, then tighten the screw Ⓐ by screwing it fully toward the Drum Assembly.
   The tightening torque should be 0.069 N•m (0.7 kgf•cm).
4. Check the operation.
   Repeat unloading and loading several times and make sure that these operations can be performed smoothly without producing rattles.

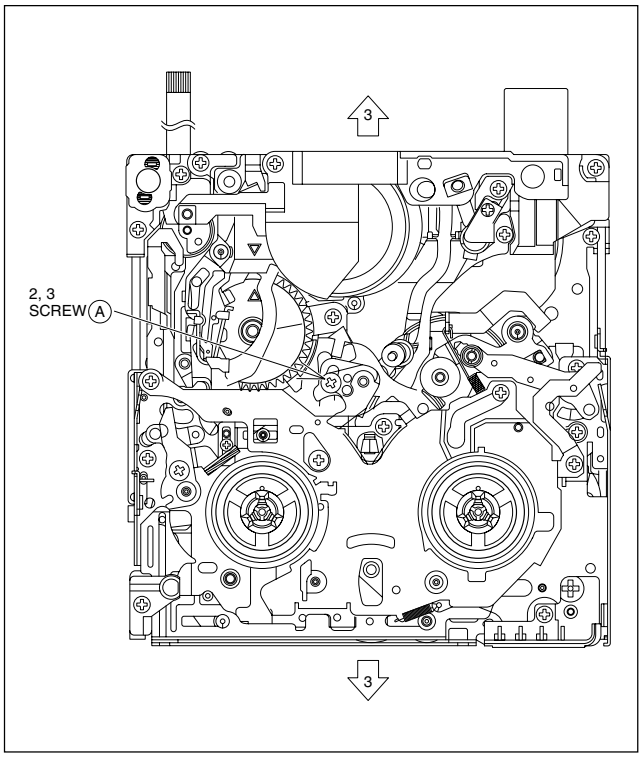


Fig. 2-6-3

2.7 SERVICE NOTE

Use the following chart to manage mechanism parts that are removed for disassembling the mechanism.

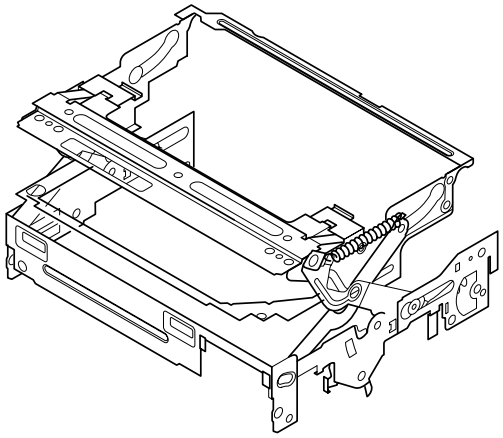
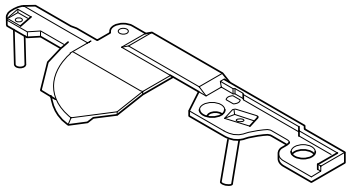
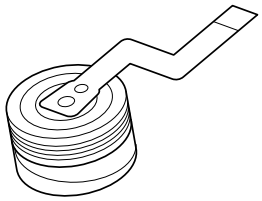
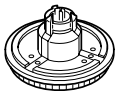
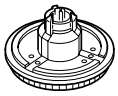
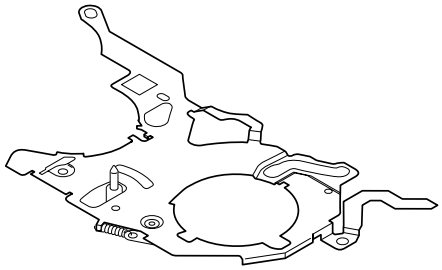
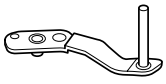
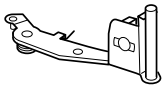
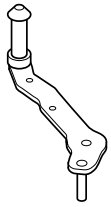
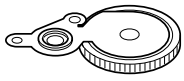
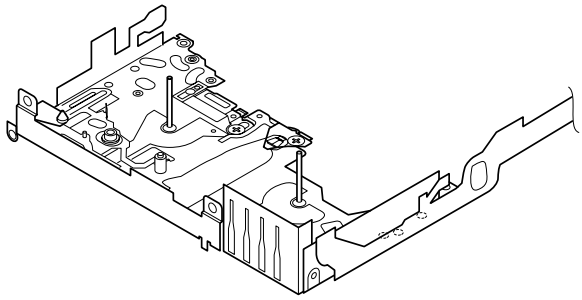
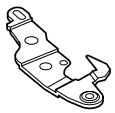
Fig.					
2-14-3	(1) CASSETTE HOUSING ASSY 		Fig. 2-14-4	(2) UPPER BASE ASSY 	
Fig. 2-14-4	(3) DRUM ASSY 		Fig. 2-14-5	(4) REEL DISK ASSY(SUP)  (5) REEL DISK ASSY(TU) 	(6) REEL COVER ASSY 
Fig. 2-14-6	(7) TENSION ARM ASSY 	(8) SLANT POLE ARM ASSY 	(9) TU ARM ASSY 	(10) SWING ARM ASSY 	
Fig. 2-14-7a	(11) SLIDE DECK ASSY 		Fig. 2-14-7b	(12) PAD ARM ASSY	(13) SUP BRAKE ASSY (14) TU BRAKE ASSY

Table 2-7-1a

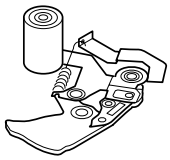
Fig. 2-4-8

15 TENSION CTL LEVER ASSY

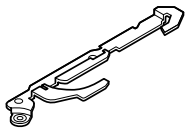


16 CENTER GEAR

17 PINCH ROLLER ARM F. ASSY



18 TENSION CTL PLATE ASSY



19 BRAKE CTL LEVER ASSY

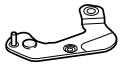
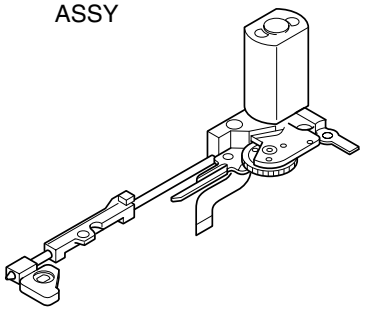
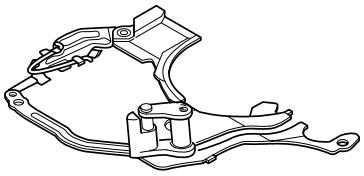


Fig. 2-4-9

20 MOTOR BRACKET ASSY



21 GUIDE RAIL ASSY



22 SLIDE LEVER 2 ASSY

23 LOADING PLATE ASSY

24 MODE GEAR

25 EJECT LEVER

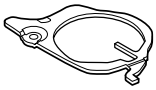
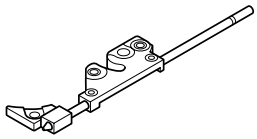
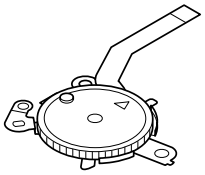


Fig. 2-4-10

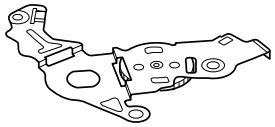
26 BASE R ASSY



27 ROTARY ENCODER



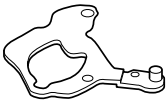
28 GEAR COVER ASSY



29 MAIN CAM ASSY

Fig. 2-4-11

30 SLIDE ARM ASSY



31 CONNECT GEAR 2

32 SUB CAM ASSY

33 CONTROL ARM ASSY

34 REEL GEAR 1

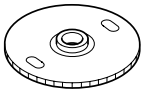
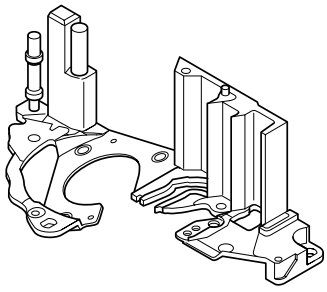
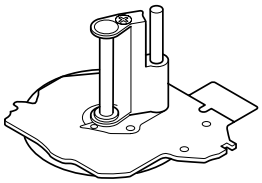


Fig. 2-4-12

35 DRUM BASE ASSY



36 CAPSTAN MOTOR



37 MAIN DECK ASSY

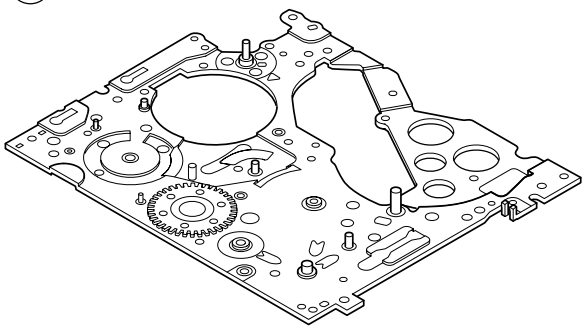


Table 2-7-1b

2.8 COMPATIBILITY ADJUSTMENT

2.8.1 Jig connector cable connection

Remove one screw (1) first and the cover (JIG) next.

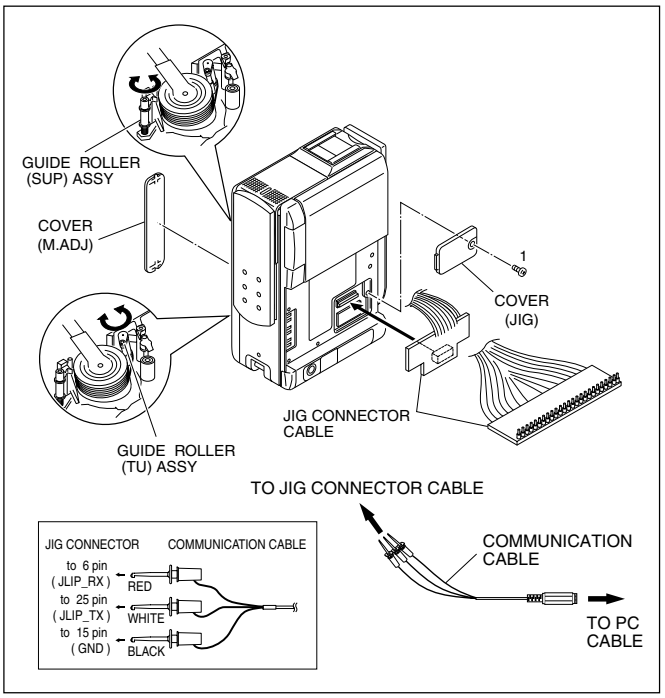
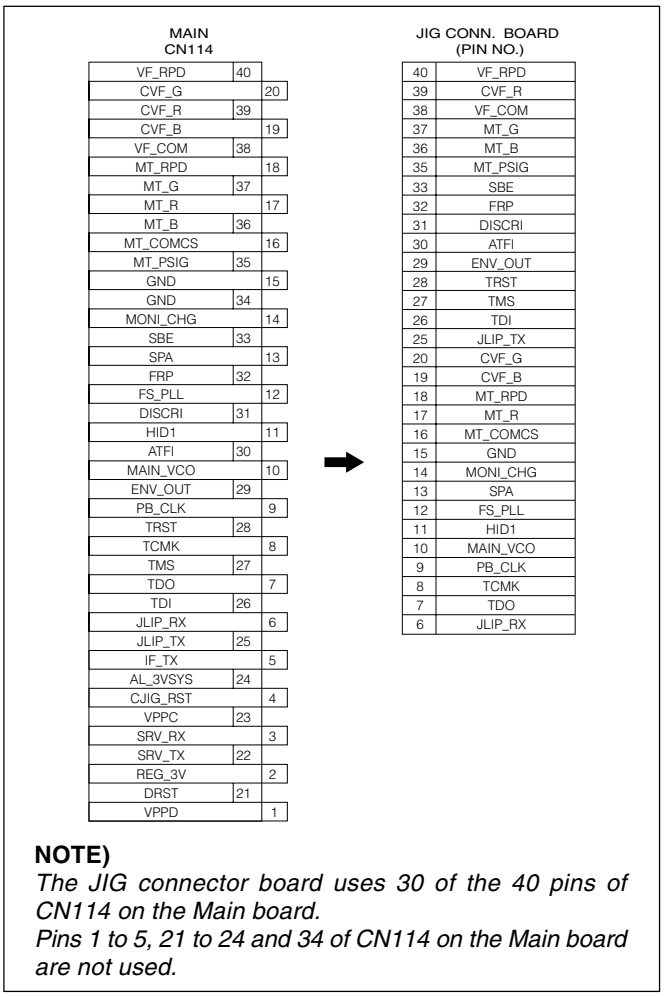


Fig. 2-8-1



VF_RPD	40	40	VF_RPD
CVF_G	20	39	CVF_R
CVF_R	39	38	VF_COM
CVF_B	19	37	MT_G
VF_COM	38	36	MT_B
MT_RPD	18	35	MT_PSIG
MT_G	37	33	SBE
MT_R	17	32	FRP
MT_B	36	31	DISCRI
MT_COMCS	16	30	ATFI
MT_PSIG	35	29	ENV_OUT
GND	15	28	TRST
GND	34	27	TMS
MONI_CHG	14	26	TDI
SBE	33	25	JLIP_TX
SPA	13	20	CVF_G
FRP	32	19	CVF_B
FS_PLL	12	18	MT_RPD
DISCRI	31	17	MT_R
HID1	11	16	MT_COMCS
ATFI	30	15	GND
MAIN_VCO	10	14	MONI_CHG
ENV_OUT	29	13	SPA
PB_CLK	9	12	FS_PLL
TRST	28	11	HID1
TCMK	8	10	MAIN_VCO
TMS	27	9	PB_CLK
TDO	7	8	TCMK
TDI	26	7	TDO
JLIP_RX	6	6	JLIP_RX
JLIP_TX	25		
IF_TX	5		
AL_3VSYS	24		
CJIG_RST	4		
VPPC	23		
SRV_RX	3		
SRV_TX	22		
REG_3V	2		
DRST	21		
VPPD	1		

NOTE)
The JIG connector board uses 30 of the 40 pins of CN114 on the Main board.
Pins 1 to 5, 21 to 24 and 34 of CN114 on the Main board are not used.

Fig. 2-8-2

2.8.2 Tape pattern check

(1) Play back the compatibility adjustment tape.

(2) While triggering the MAIN CN114-11PIN (HID1), observe the waveform of CN114-29PIN (ENV_OUT).

(3) Confirm that the waveform is free from remarkable level-down, and entirely parallel and straight.
Moreover, perform the following adjustment as required.

(4) In case any level-down is observed on the left hand side, straighten the level by turning the guide roller of the pole base assembly (supply).
In case any level-down is observed on the right hand side, however, straighten the level by turning the guide roller of the pole base assembly (Take-up).

(5) After adjustment, try the unloading motion once, and confirm that the waveform is flat (straight) when the tape has been played back again.
Moreover, perform readjustment as required.

(6) When the recording has been played back again, play back the self-recording to confirm that the waveform is flat.

Note:
When an adjustment is performed with the lower case cover attached, first slide the Cover (M.ADJ) open and then perform the compatibility adjustment.
Be sure not to damage the cover plate when sliding it open to make an adjustment because it must be re-positioned after completing the adjustment.

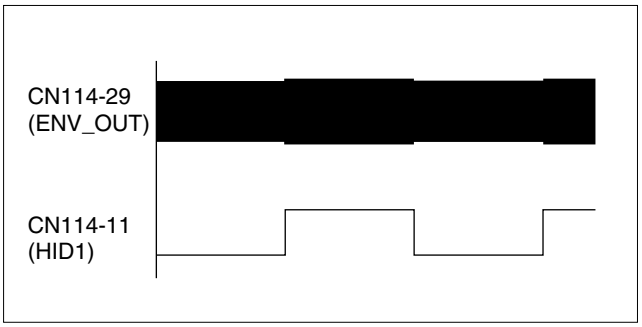


Fig. 2-8-3

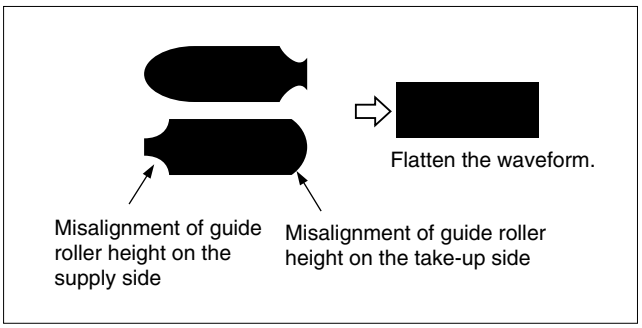

Flatten the waveform.
Misalignment of guide roller height on the supply side
Misalignment of guide roller height on the take-up side

Fig. 2-8-4

SECTION 3
ELECTRICAL ADJUSTMENT

3.1 PRECAUTION

1. Precaution

Both the camera and deck sections of this model needs a personal computer for adjustment except simple adjustment with potentiometers. If some of the following parts is replaced for repair or other reason, the repaired set must be adjusted with a personal computer.

- OP block
- E^2PROM (IC1003 of MAIN board)

In the event of malfunction with electrical circuits, trouble-shooting with the aid of proper test instruments most be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in dis-connecting and connecting.
3. Shortcircuit between operation un it and DECK chassis.

2. Required test equipment

1. Color TV monitor
2. AC power adapter/charger
3. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)

Note : *It is recommended to use one observable 300 MHz or higher frequency.*

4. Digital voltmeter
5. Frequency counter (with threshold level adjuster)
6. Personal computer

3. Tools required for adjustments

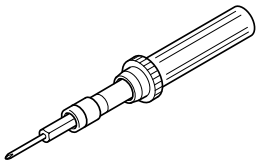
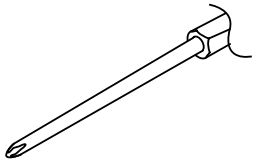
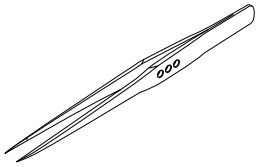
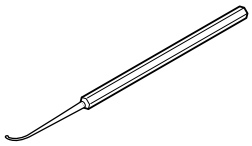
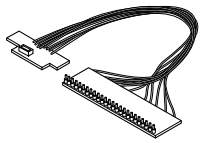
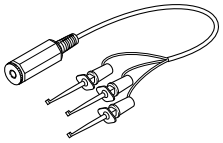
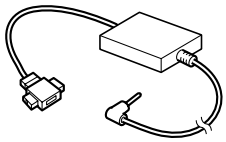
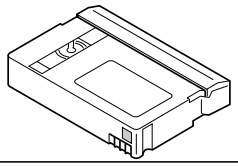
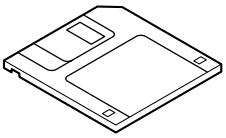
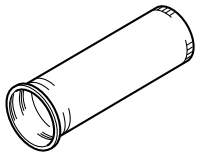
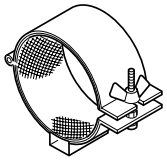
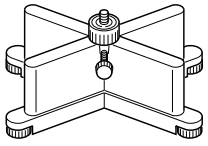
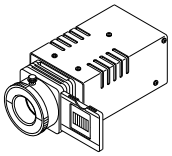
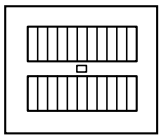
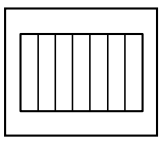
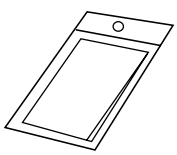
1 Torque driver YTU94088	2 Bit YTU94088-003
	
3 Tweezers P-895	4 Chip IC replacement jig PTS40844-2
	
5 Jig connector cable YTU93106C	6 Communication cable YTU93107A
	
7 PC cable QAM0099-002	8 Alignment tape MC-1
	
9 Service support system YTU94057-61	10 INF adjustment lens YTU92001B
	
11 INF adjustment lens holder YTU94087	12 Camera stand YTU93079
	
13 Light box assembly YTU93096A	14 Gray scale chart YTU94133A
	
15 Color bar chart YTU94133C	16 Cleaning cloth KSMM-01
	

Table 3-1-1

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Tweezers**
   To be used for removing and installing parts and wires.
4. **Chip IC replacement jig**
   To be used for adjustment of the camera system.
5. **Jig connector cable**
   Connected to CN114 of the main board and used for electrical adjustment, etc.
6. **Communication cable**
   Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.
7. **PC cable**
   To be used to connect the VideoMovie and a personal computer with each other when a personal computer is used for adjustment.
8. **Alignment tape**
   To be used for check and adjustment of interchangeability of the mechanism.
9. **Service support system**
   To be used for adjustment with a personal computer.
10. **INF adjustment lens**
    To be used for adjustment of the camera system.
11. **INF adjustment lens holder**
    To be used together with the camera stand for operating the VideoMovie in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring.
12. **Camera stand**
    To be used together with the INF adjustment lens holder.
13. **Light box assembly**
    To be used for adjustment of the camera system.
14. **Gray scale chart (for Light box assembly)**
    To be used for adjustment of the camera system.
15. **Color bar chart (for Light box assembly)**
    To be used for adjustment of the camera system.
16. **Cleaning cloth**
    Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

3.2 SETUP

1. Setup for electrical adjustment with personal computer.

   NOTE: *Remove one screw (1) first and the cover (JIG) next.*

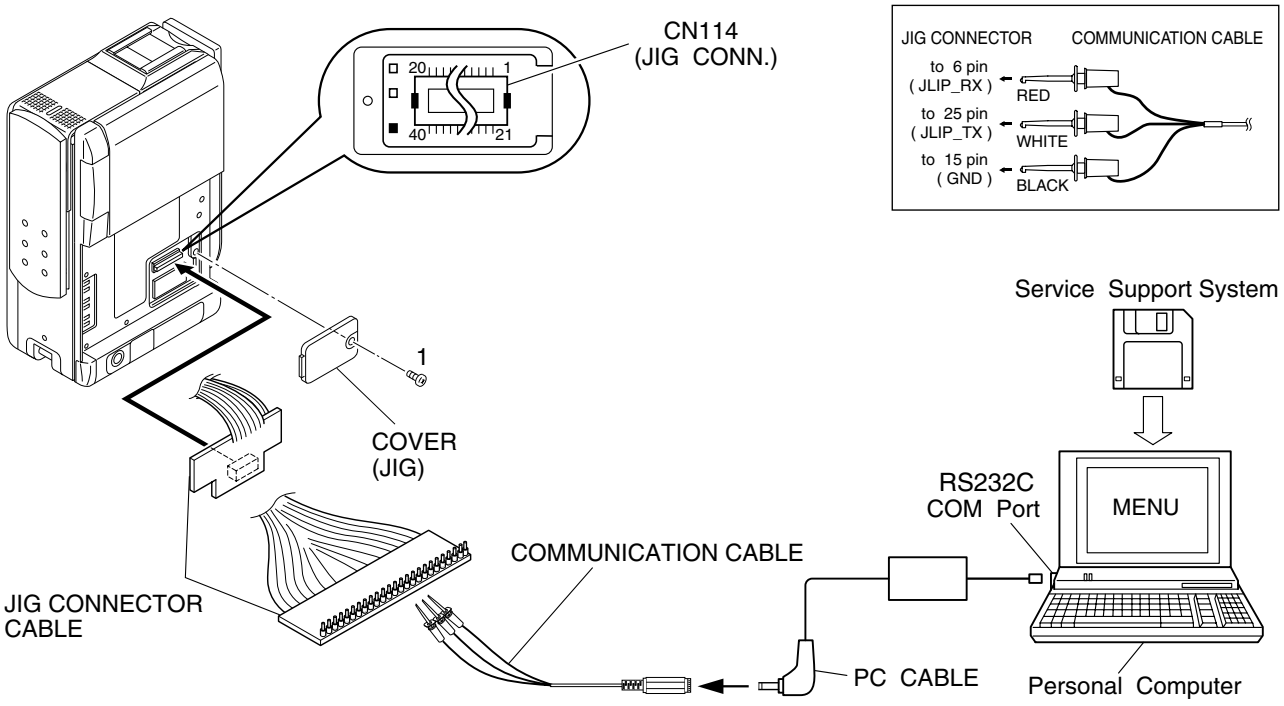


Fig. 3-2-1 Connection for Service support system

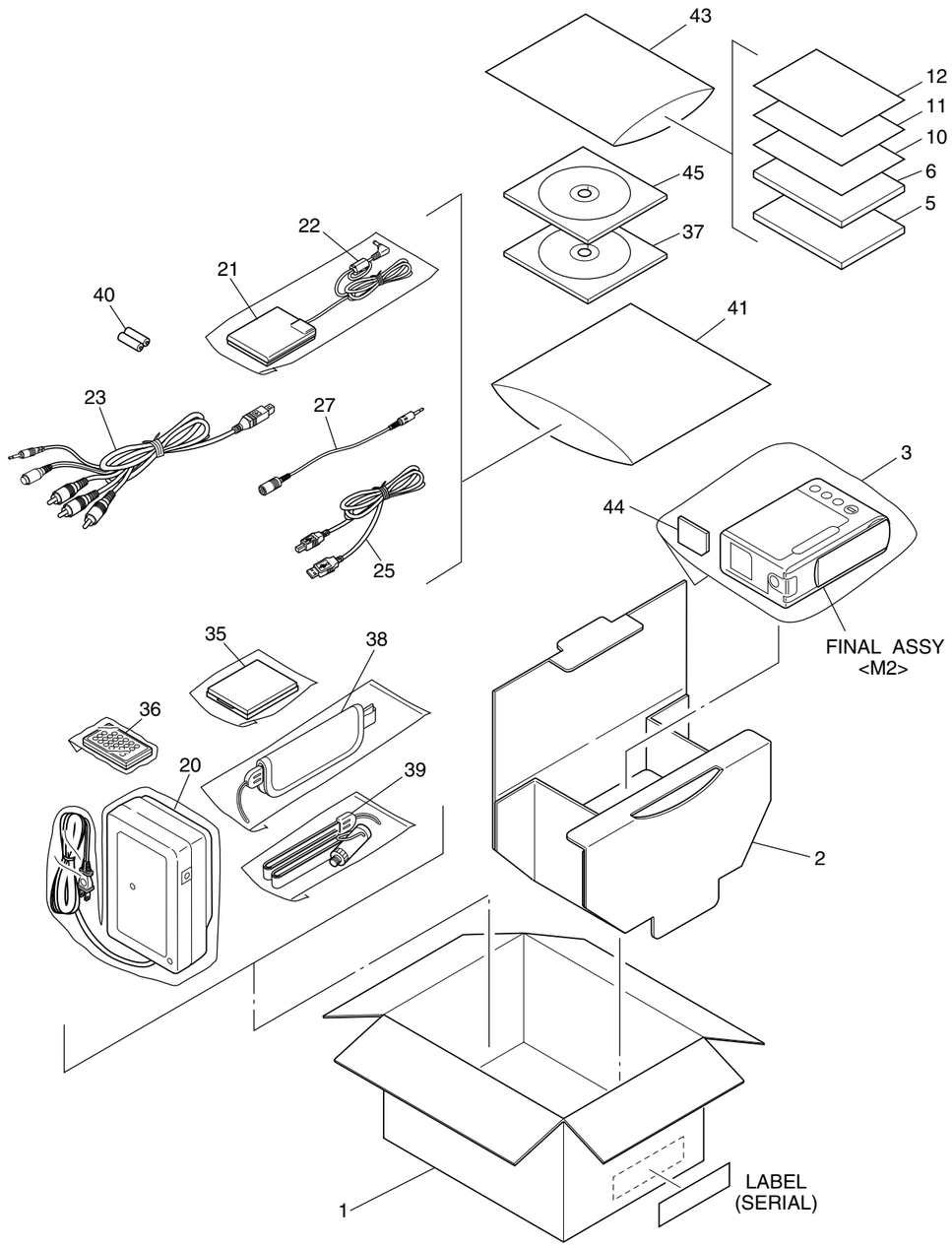
SECTION 5
PARTS LIST

SAFETY PRECAUTION

Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

5.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.



#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION

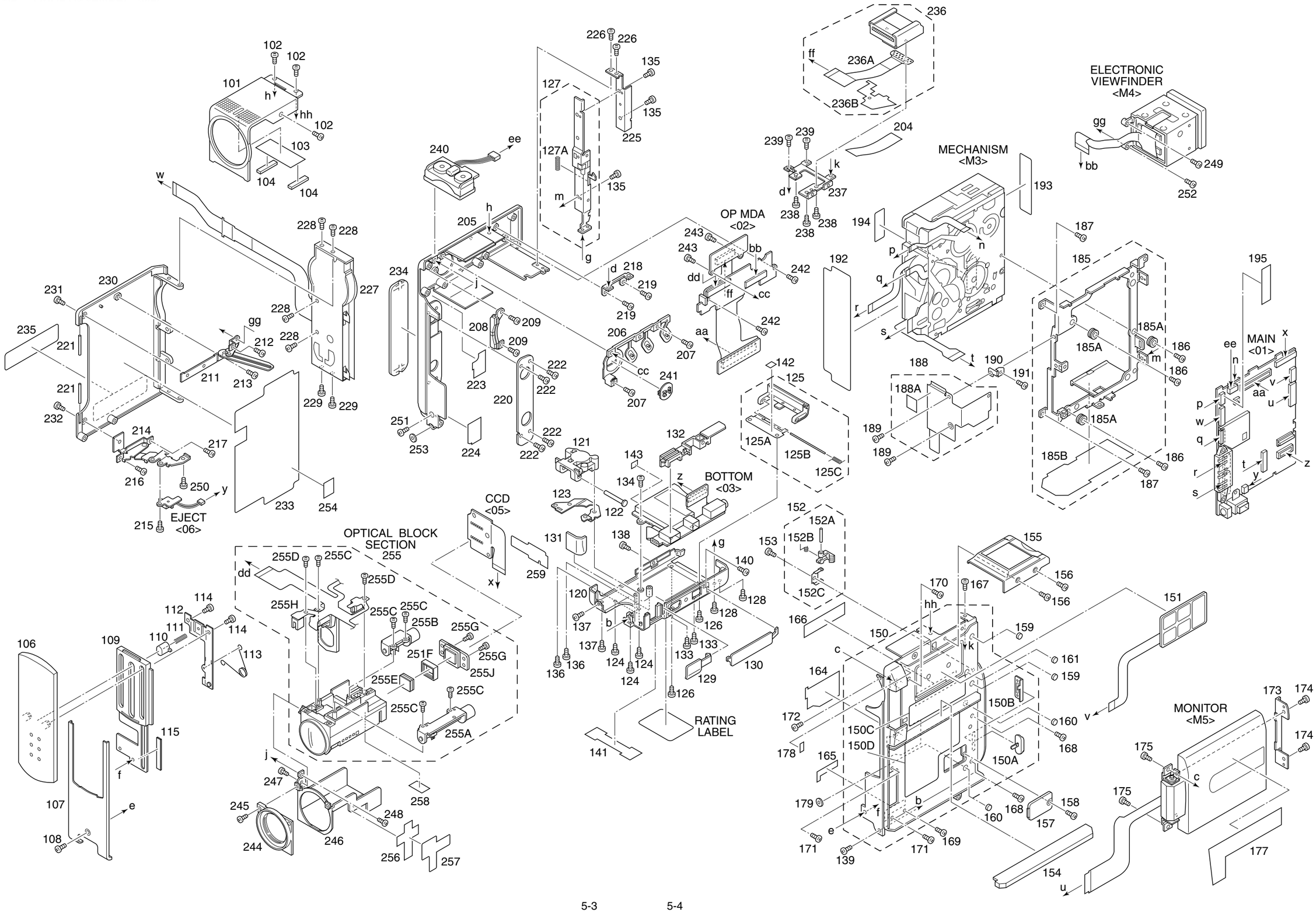
****

PACKING AND ACCESSORY ASSEMBLY <M1>

	1	LY32303-010A	PACKING CASE
	2	LY20763-001A	CUSHION
	3	LY30023-003A	POLY BAG
⚠	5	LYT0981-001A	INST.BOOK(EN)
⚠		LYT0981-002A	INST.BOOK(FR)
⚠		LYT0981-003A	INST.BOOK(SP)
	6	LYT1037-001A	INST.BOOK(SOFT.EN)
		LYT1037-003A	INST.BOOK(SOFT.FR)
		LYT1037-005A	INST.BOOK(SOFT.SP)
	10	BT-51005-5	WARRANTY INF.
	11	BT-51028-1	REGIST.CARD
	12	LYT0981-004A	SHEET(INFO.)
⚠	20	LY20754-001B	AC POWER ADAPTER/CHARER,AA-V100U
	21	LY32226-002A	DC CORD ASSY
	22	QQR0917-002	CORE FILTER
	23	QAM0403-001	MULTI CABLE,S/AV/EDITING CABLE
	25	QAM0387-001	USB CABLE
	27	QAM0402-001	RM CABLE,EDITING EXTENSION CABLE
⚠	35	LY32203-003A	BATTERY PACK,BN-V107U-S
	36	LY20750-001A	REMOTE CONTROL UNIT,RM-V717U
	37	LY32210-026A	CD ROM ASSY
	38	LY20762-001B	GRIP BELT
	39	LY20892-001A	STRAP
	40	–	BATTERY,AAA(R03),X2
	41	QPA01703005	POLY BAG
	43	QPA02003006	POLY BAG
	44	QAM0342-002	MEMORY CARD,8MB(SD)
	45	LY32210-009A	CD ROM ASSY

- **INSTRUCTIONS**
  EN ..... ENGLISH
  FR ..... FRENCH
  SP ..... SPANISH

5.2 FINAL ASSEMBLY <M2>



#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION

****

FINAL ASSEMBLY <M2>

		101	LY20845-001B	MIC COVER
		102	LY30018-043B	SPECIAL SCREW,X3
		103	LY43164-001A	SHEET(MIC)
		104	LY30029-0L7A	SPACER(A),X2
		106	LY43431-003C	COVER(SHUT)ASSY
		107	LY32228-002A	COVER(UNDER)
		108	LY30018-043B	SPECIAL SCREW
		109	LY43104-001G	GUIDE(SHUT)ASSY
		110	LY32619-001A	KNOB(SHUTTER)
		111	LY30002-022A	COMPRESSION SPRING
		112	LY43106-001B	SLIDE PLATE(B)ASSY
		113	LY43225-001A	TORSION SPRING
		114	LY30018-0D2A	SPECIAL SCREW,X2
		115	LY30029-0Z9A	SPACER(A)
		120	LY20844-003C	BOTTOM COVER
		121	LY32253-002A	BASE
		122	LY43107-001B	SHAFT
		123	LY43443-001A	BASE PLATE
		124	LY30018-093A	SPECIAL SCREW,X3
		125	LY32279-002D	COVER(SD)ASSY
		125A	LY32242-001C	BRACKET(SD)
		125B	LY43111-001A	SHAFT(SD.COVER)
		125C	LY43047-001B	TORSION SPRING
		126	LY30018-043B	SPECIAL SCREW,X2
		127	LY32612-001A	BATTERY LOCK ASSY
		127A	LY30002-038A	COMPRESSION SPRING
		128	LY30018-032A	SPECIAL SCREW,X2
		129	LY43487-001B	DV COVER ASSY
		130	LY32637-001B	MULTI/USB COVER
		131	LY32622-001C	IR WINDOW
		132	LY32683-001B	BOTTOM PWB J.HOLDER
		133	LY30018-032A	SPECIAL SCREW,X2
		134	LY30018-032A	SPECIAL SCREW
		135	LY30018-055A	SPECIAL SCREW,X3
		136	LY30018-0G1A	SPECIAL SCREW,X2
		137	LY30018-0D8A	SPECIAL SCREW,X2
		138	LY30018-0G3A	SPECIAL SCREW
		139	LY30018-0A2A	SPECIAL SCREW
		140	LY30018-0A2A	SPECIAL SCREW
	⚠	141	LY43597-001A	CAUTION LABEL
		142	LY30030-008A	SPACER(A)
		143	LY30029-0Z6A	SPACER(A)
		150	LY32635-003C	UPPER CASE ASSY
		150A	LY32250-002A	KNOB(BATTERY LOCK)
		150B	LY43378-001A	STOPPER PLATE
		150C	LY43575-001A	SHEET(CAUTION)
		150D	LY43210-002A	LABEL(UPPER)
		151	LY32625-003A	SUB OPE UNIT
		152	LY43064-001B	KNOB(LOCK) ASSY
		152A	LY43081-001A	SHAFT(LOCK)
		152B	LY43080-001A	TORSION SPRING(LOCK)
		152C	LY43079-001A	BRACKET(LOCK)
		153	LY30018-081A	SPECIAL SCREW
		154	LY32621-001B	ORNAMENT
		155	LY32628-001A	SHOE COVER
		156	LY30018-0A2A	SPECIAL SCREW,X2
		157	LY41393-005A	COVER(JIG CONN)
		158	LY30018-032A	SPECIAL SCREW
		159	LY42350-002A	FOOT,X2
		160	LY42350-001A	FOOT,X2
		161	LY43196-001A	SHEET(UPEER)
		164	LY43598-001A	SHEET(UPPER)1
		165	LY43599-001A	SHEET(UPPER)2
		166	LY30029-0N3A	SPACER(A)
		167	LY30018-070A	SPECIAL SCREW
		168	LY30018-070A	SPECIAL SCREW,X2
		169	LY30018-032A	SPECIAL SCREW
		170	LY30018-070A	SPECIAL SCREW
		171	LY30018-0D8A	SPECIAL SCREW,X2
		172	LY30018-0A2A	SPECIAL SCREW
		173	LY32623-001B	GUIDE(MONITOR)
		174	LY30018-032A	SPECIAL SCREW,X2
		175	LY30018-099A	SPECIAL SCREW,X2
		177	LY43865-001A	STICKER(MONI.)
		178	LY30030-006A	SPACER(A)
		179	LY41836-001A	SPACER
		185	LY43435-001B	MECHA BRACKET ASSY
		185A	LY42796-001A	BUSH,X3
		185B	LY43769-001A	MECHA/ARM SHEET
		186	LY30019-028A	SPECIAL SCREW,X3
		187	LY30018-055A	SPECIAL SCREW,X2
		188	LY43190-001A	SHIELD ASSY
		188A	LY43189-001A	SPACER
		189	LY30018-005A	SPECIAL SCREW,X2
		190	LY43083-001A	BRACKET(PRE-REC)
		191	LY30018-0G3A	SCREW
		192	LY43612-001A	SHUTTER B.SHEET
		193	LY32001-002A	LABEL(HOUSING)
		194	LY40699-002A	LABEL(PUSH)
		195	LY43902-001A	SHEET(MONI.FPC)
		204	LY43857-001A	SHIELD(SHOE2)
		205	LY20842-003C	LOWER CASE
		206	LY32715-001B	FUNCTION BUTTON
		207	LY30018-065A	SPECIAL SCREW,X2
		208	LY43430-001A	W/B WINDOW ASSY
		209	LY30018-065A	SPECIAL SCREW,X2
		211	LY32244-001C	ARM ASSY(1)
		212	LY30018-081A	SPECIAL SCREW
		213	LY30018-081A	SPECIAL SCREW
		214	LY32716-001A	ARM ASSY(2)
		215	LY30018-081A	SPECIAL SCREW
		216	LY30018-081A	SPECIAL SCREW
		217	QYSPSPT1720D	SCREW
		218	LY43531-001A	PLATE(HOT SHOE)
		219	LY30018-081A	SPECIAL SCREW,X2
		220	LY43114-001A	PLATE(C.C.HINGE)
		221	LY43113-001A	SHAFT(C.COVER),X2
		222	LY30018-081A	SPECIAL SCREW,X4
		223	LY43580-001A	SHEET(BLACKOUT1)
		224	LY43581-001A	SHEET(BLACKOUT2)
		225	LY32709-001B	BRACKET(LOWER-BTM)1
		226	LY30018-031A	SPECIAL SCREW,X2
		227	LY20843-003A	OPERATION UNIT
		228	LY30018-065A	SPECIAL SCREW,X4
		229	LY30018-081A	SPECIAL SCREW,X2
		230	LY20757-002B	CASSETTE COVER
		231	LY30018-043B	SPECIAL SCREW
		232	LY30018-043B	SPECIAL SCREW
		233	LY43055-001C	SHEET(C.COVER)
		234	LY32247-001A	COVER(M.ADJ)
		235	LY43149-006A	SAFETY LABEL
		236	LY32781-002A	SHOE ASSY
		236A	QAL0410-001	SHOE FPC
		236B	LY43878-001A	SHIELD(SHOE)
		237	LY32615-001A	BRACKET(HOT SHOE)
		238	LY30018-081A	SPECIAL SCREW,X3
		239	LY30018-081A	SPECIAL SCREW,X2
		240	LY32616-001B	MICROPHONE
		241	LY43056-001B	KNOB(FUNC.)
		242	LY30018-081A	SPECIAL SCREW,X2
		243	LY30018-0C3A	SPECIAL SCREW,X2
		244	LY32627-001B	HOOD
		245	LY30018-065A	SPECIAL SCREW
		246	LY32632-001A	OP BRACKET
		247	LY30018-019A	SPECIAL SCREW
		248	LY30018-081A	SPECIAL SCREW
		249	LY30018-0C3A	SPECIAL SCREW
		250	LY30018-053A	SPECIAL SCREW
		251	LY30018-070A	SPECIAL SCREW
		252	LY30018-0D8A	SPECIAL SCREW
		253	LY30017-031A	SPACER-B
		254	LY43398-001A	SPACER
		256	LY43858-001A	SHEET(WIRE)
		257	LY43765-001A	SHIELD(MIC)
		258	LY30029-0Y7A	SPACER(A)
		259	LY43880-001A	SHIELD(CCD)

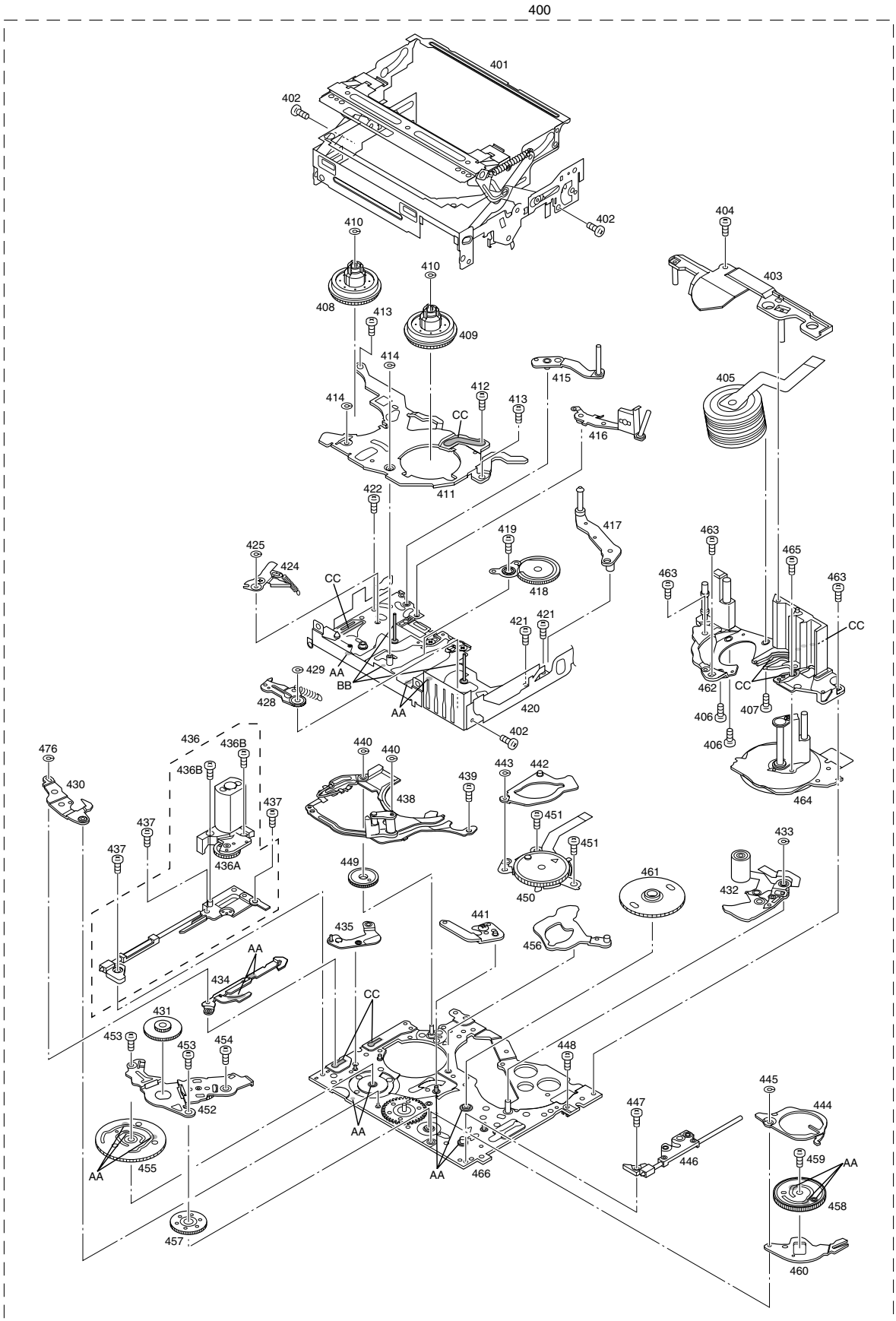
– OPTICAL BLOCK SECTION –

		255	J7C-115A	OPTICAL BLOCK ASSY
		255A	LY32691-001A	ZOOM MOTOR
		255B	LY32692-001A	FOCUS MOTOR
		255C	LY30727-002A	SCREW,X5
		255D	LY30727-001A	SCREW,X2
		255E	LY43270-001A	OPTICAL LPF
		255F	LY43494-001A	SHEET
		255G	LY30727-006B	SCREW,X2
		255H	LY32693-001A	IRIS MOTOR UNIT
		255J	LYH30375-005A	CCD BASE ASSY

5.3 MECHANISM ASSEMBLY <M3>

BEWARE OF BOGUS PARTS

Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.



Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-JB	AA
Oil	YTU94027	BB
Grease (HANARL)	RX-410R	CC

NOTE: The section marked in **AA** and **BB**, **CC** indicate lubrication and greasing areas.

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION

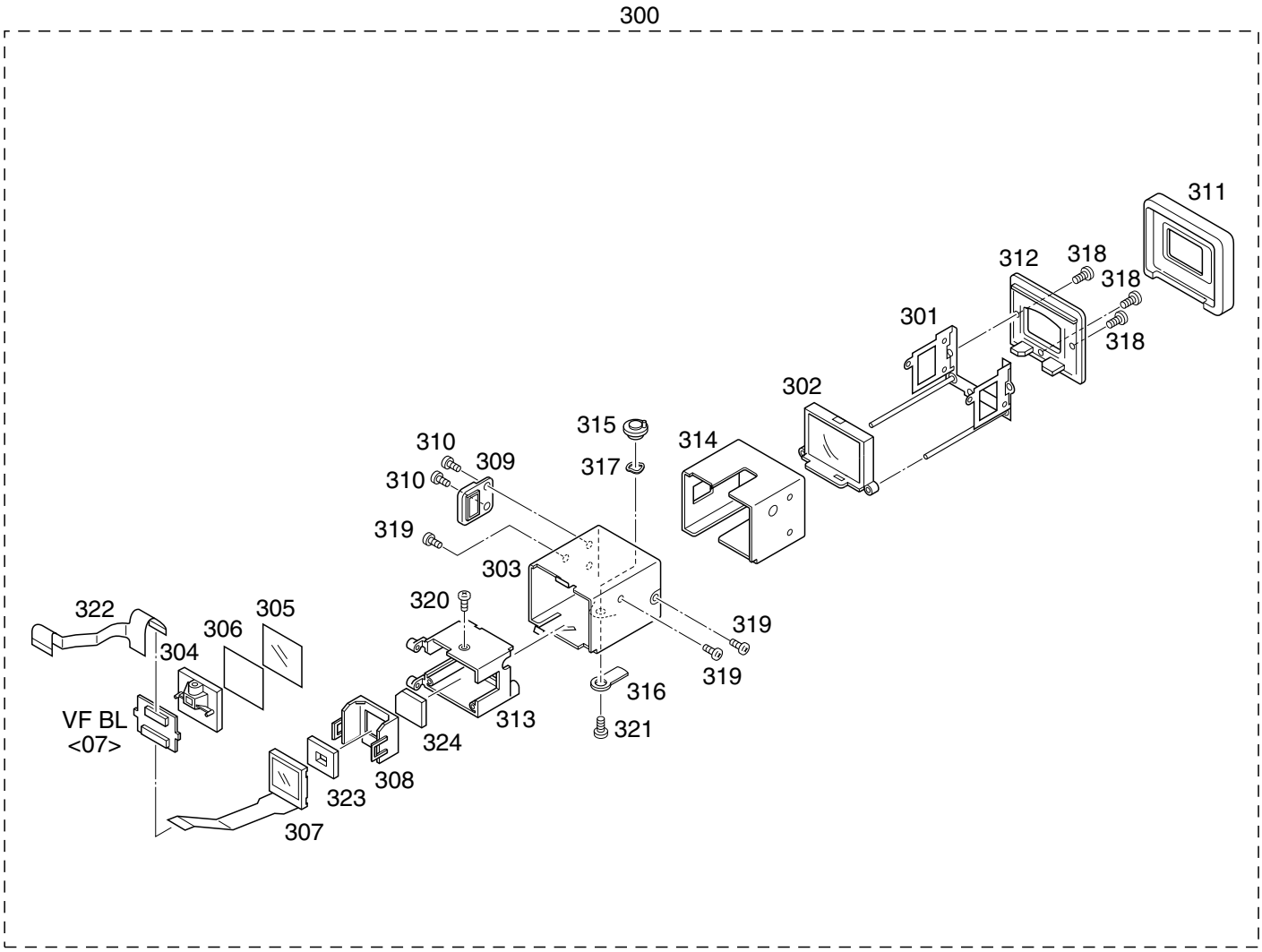
****

MECHANISM ASSEMBLY <M3>

400	YMA0029C	MECHA(A)ASSY
401	LY31543-002E	CASSETTE HOUSING ASSY
402	YQ43893-8	MINI SCREW,X3
403	LY31542-001J	UPPER BASE ASSY
404	YQ43893	MINI SCREW
405	YDV2096B	DRUM ASSY
406	LY42820-001A	DAMPER SCREW ASSY,X2
407	LY42820-002A	DAMPER SCREW ASSY
408	LY31538-001B	REEL DISK ASSY
409	LY31538-002B	REEL DISK ASSY
410	YQ44246	SLIT WASHER,X2
411	LY10217-001D	REEL COVER ASSY
412	LY42120-001A	MINI SCREW
413	LY41945-003A	MINI SCREW,X2
414	YQ44246	SLIT WASHER,X2
415	LY42025-001C	TENSION ARM ASSY
416	LY31535-001F	SLANT POLE ARM ASSY
417	LY42031-001G	TU ARM ASSY
418	LY31531-001D	SWING ARM ASSY
419	YQ43893	MINI SCREW
420	LY20530-003B	SLIDE DECK FINAL ASSY
421	YQ43893	MINI SCREW,X2
422	LY43023-001A	MINI SCREW
424	LY31533-001E	PAD ARM ASSY
425	YQ44246	SLIT WASHER
428	LY42016-001B	TU BRAKE ASSY
429	YQ44246	SLIT WASHER
430	LY41959-001B	TENSION CONTROL LEVER ASSY
431	LY31525-001B	CENTER GEAR
432	LY31516-001E	PINCH ROLLER ARM FINAL ASSY
433	YQ44246	SLIT WASHER
434	LY41956-001C	TENSION CONTROL PLATE ASSY
435	LY41962-001B	BRAKE CONTROL LEVER ASSY
436	LY20525-002C	MOTOR BRACKET ASSY
436A	QAR0138-001	LOADING MOTOR
436B	LY41940-001A	TAPPING SCREW,X2
437	YQ43893	MINI SCREW,X3
438	LY20528-001R	GUIDE RAIL ASSY
439	YQ43893	MINI SCREW
440	YQ44246	SLIT WASHER,X2
441	LY31498-001C	SLIDE LEVER2 ASSY
442	LY41965-001A	LOADING PLATE ASSY
443	YQ44246	SLIT WASHER
444	LY31522-001B	EJECT LEVER
445	YQ44246	SLIT WASHER
446	LY41929-001E	BASE R ASSY
447	YQ43893	MINI SCREW
448	LY41945-001B	MINI SCREW
449	LY41930-001A	MODE GEAR
450	QSW0876-003	ROTARY ENCODER
451	YQ43893	MINI SCREW,X2
452	LY31524-001A	GEAR COVER ASSY
453	YQ43893	MINI SCREW,X2
454	YQ43893-4	MINI SCREW
455	LY41948-001C	MAIN CAM ASSY
456	LY41941-001B	SLIDE ARM ASSY
457	LY41951-001B	CONNECT GEAR 2
458	LY41954-001B	SUB CAM ASSY
459	LY42120-001A	MINI SCREW

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
460	LY41952-001A	CONTROL ARM ASSY
461	LY31523-001B	REEL GEAR 1
462	LY31508-002A	DRUM BASE ASSY
463	QYSPSPU1425M	SCREW,X3
464	QAR0142-001	CAPSTAN MOTOR
465	YQ43893	MINI SCREW
466	LY10210-001D	MAIN DECK ASSY
476	YQ44246	SLIT WASHER

5.4 ELECTRONIC VIEWFINDER ASSEMBLY <M4>



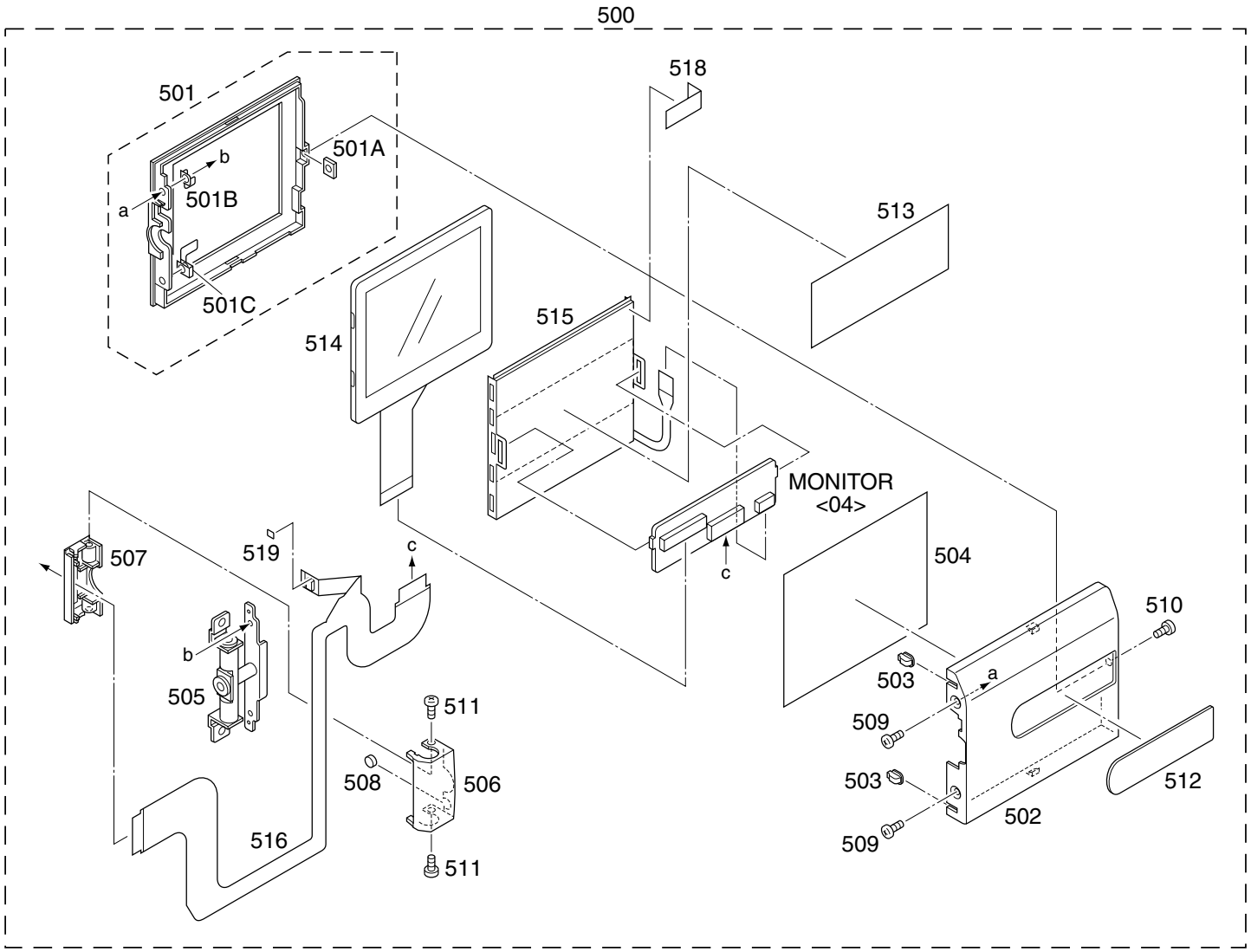
#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION

****

ELECTRONIC VIEWFINDER ASSEMBLY <M4>

		300	LYH20422-001C	VF ASSY
		301	LY32640-001A	SLIDE GUIDE INNER ASSY
		302	LY43451-001A	LENS ASSY
		303	LY32643-001B	VF CASE ASSY
		304	LY43454-001A	BACKLIGHT CASE
		305	LY43328-001A	SHEET(PRISM)
		306	LY43327-001A	SHEET(DIFFUSE)
		307	QLD0117-002	LCD MODULE
		308	LY32646-001A	LCD HOLDER
		309	LY43457-001A	CAP(VF C.HOLE)
		310	LY30019-036A	SPECIAL SCREW,X2
		311	LY32647-001A	EYE CUP
		312	LY32648-001A	EYE PIECE
		313	LY32649-001C	VF FRAME
		314	LY32650-001B	S.GUIDE(OUTER)
		315	LY43452-001A	V.ADJ.LINK
		316	LY43458-001A	V.ADJ.LEVER
		317	LY43459-001A	WAVE WASHER
		318	LY30018-055A	SPECIAL SCREW,X3
		319	LY30018-005A	SPECIAL SCREW,X3
		320	LY30018-0D4A	SPECIAL SCREW
		321	LY30018-0D4A	SPECIAL SCREW
		322	QAL0411-001	FPC
		323	LY43775-001A	SPACER(VF LCD)
		324	LY43824-001A	SHEET(VF)

5.5 MONITOR ASSEMBLY <M5>



#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION

****

MONITOR ASSEMBLY <M5>

500	LYH20424-002B	MONITOR ASSY
501	LY32633-001A	MONITOR CASE ASSY
501A	LY40162-001A	BRACKET
501B	LY43436-001A	EARTH SHEET(M.CASE1)
501C	LY43437-001A	EARTH SHEET(M.CASE2)
502	LY10346-003A	MONITOR COVER
503	LY43078-001B	RIB(MONI.),X2
504	LY43438-001A	I.SHEET(M.COVER)
505	LY32230-002B	HINGE ASSY
506	LY32267-002A	HINGE COVER(U)
507	LY32268-002A	HINGE C0VER(L)
508	LY42355-001A	MAGNET
509	LY30018-0D9A	SPECIAL SCREW,X2
510	LY30018-043B	SPECIAL SCREW
511	LY30018-0B7A	SPECIAL SCREW,X2
512	LY43523-001A	MARK
513	LY30029-0N7A	SPACER(A)
514	QLD0235-001	LCD MODULE
515	QLL0120-001	BACK LIGHT
516	LY32766-001A	FPC ASSY(MONI)
518	LY30029-0X8A	SPACER(A)
519	LY30030-004A	SPACER(A)

5.6 ELECTRICAL PARTS LIST

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
**********		
	MAIN BOARD ASSEMBLY <01>	
PW	YB10370F	MAIN BOARD ASSY
IC1001	UPD703039F1-A36	IC(MICRO C ROM)
	or UPD70F3040F1A36	IC(MICRO C ROM)
IC1002	RS5C314	IC
IC1003	25LC320X-I/ST-X	IC
IC1006	MB90097PFV145	IC(MICRO C ROM)
IC1007	SN74AHC1G08K	IC
IC1008	IC-PST3423U-X	IC
IC1101	TA75W01FU	IC
IC1401	UPD703040YF-M13	IC(MICRO C ROM)
	or UPD70F3040YFM13	IC(MICRO C ROM)
IC1601	BD6631KV	IC
IC1701	TA75W01FU	IC
IC1702	TA75W393FU	IC
IC1801	RPM7138	IR DETECT UNIT
IC2101	AK4550VT	IC
IC2201	AK4564VQ	IC
IC3001	JCY0172	IC
IC3004	SN74AHC1G04K	IC
	or MC74VHC1G04DF	IC
IC3005	JCY0136	IC
IC3501	JCY0132	IC
IC3701	BA7665FS	IC
IC3731	MM1504XN	IC
IC3801	JCP8045	IC(DIGITAL)
IC3901	BU2501FV	IC
IC4201	HD49334AHNP	IC
IC4202	TAR5S31	IC
IC4301	JCY0160-2	IC
IC4302	R1160N151B	IC
IC4303	TAR5S25	IC
IC5001	CXD3602R	IC
IC5002	W194-70G-X	IC
IC5003	TAR5S33	IC
IC6001	S-80842CNNB-W	IC
IC6002	S-817A33ANB-W	IC
IC6003	S-814A30AMC-W	IC
IC6101	BD9713KV	IC
IC7101	CXA3272R	IC
IC7201	CXA3582R	IC
IC7202	MM1385HN	IC
IC8001	TMS320DSC24GZA	IC
	or TMX320DSC24GZA	IC
IC8002	K4S643233E-SE10	IC(MICRO C ROM)
	or K4S643233E-SE80	IC(MICRO C ROM)
	or K4S643233E-SE70	IC(MICRO C ROM)
IC8003	MBV160TE90PBA01	IC(MICRO C ROM)
IC8005	BU2288FV	IC
IC8301	ISP1181ABS	IC
IC8302	S-80842CNNB-W	IC
IC8501	YQ44917A	CSP IC ASSY
Q1001	DTC124EE	DIGI TRANSISTOR
	or UN9212J	DIGI TRANSISTOR
Q1002	2SC4617/QR/-X	TRANSISTOR
Q1003	DTC143EE	DIGI TRANSISTOR
	or RN1101	DIGI TRANSISTOR
	or UN921LJ	DIGI TRANSISTOR
Q1004	DTC143XE	DIGI TRANSISTOR
Q1006	DTA114EE	DIGI TRANSISTOR
	or PDTA114EE	DIGI TRANSISTOR
	or RN2102	DIGI TRANSISTOR
	or UN9111J	DIGI TRANSISTOR
Q1007	DTC144EE	DIGI TRANSISTOR
	or PDTC144EE	DIGI TRANSISTOR
	or RN1104	DIGI TRANSISTOR
	or UN9213J	DIGI TRANSISTOR
Q1401	DTA114EE	DIGI TRANSISTOR
	or PDTA114EE	DIGI TRANSISTOR
	or RN2102	DIGI TRANSISTOR
	or UN9111J	DIGI TRANSISTOR
Q1402	UMC3N	DIGI TRANSISTOR
Q1403	UMC3N	DIGI TRANSISTOR
Q1601	UMC3N	DIGI TRANSISTOR
Q2101	UMX18N	PAIR TRANSISTOR
Q2201	2SC4617/QR/-X	TRANSISTOR
Q2401	2SC4617/QR/-X	TRANSISTOR
Q2403	2SC4617/QR/-X	TRANSISTOR
Q2701	HN1C01FE/G/-X	PAIR TRANSISTOR
Q2702	HN1C01FE/G/-X	PAIR TRANSISTOR
Q3001	2SC4617/RS/-X	TRANSISTOR
Q3002	2SC4617/RS/-X	TRANSISTOR
Q3701	UMT1N	PAIR TRANSISTOR
Q3702	UMZ1N	PAIR TRANSISTOR
Q3704	2SA1774/RS/-X	TRANSISTOR
Q3705	UMT1N	PAIR TRANSISTOR
Q3731	2SC4617/RS/-X	TRANSISTOR
Q3732	DTC144EE	DIGI TRANSISTOR
	or PDTC144EE	DIGI TRANSISTOR
	or RN1104	DIGI TRANSISTOR
	or UN9213J	DIGI TRANSISTOR
Q3733	UMZ1N	PAIR TRANSISTOR
Q3734	2SC4617/RS/-X	TRANSISTOR
Q3735	UMZ1N	PAIR TRANSISTOR
Q6001	MCH3308	MOS FET
Q6002	2SK3019	MOS FET
	or 2SK1830	MOS FET
Q6003	MCH6613	MOS FET
Q6004	DTC144EE	DIGI TRANSISTOR
	or PDTC144EE	DIGI TRANSISTOR
	or RN1104	DIGI TRANSISTOR
	or UN9213J	DIGI TRANSISTOR
Q6101	SSM5G01TU	MOS FET
Q6102	SSM5G01TU	MOS FET
Q6103	SSM5G01TU	MOS FET
Q6104	SSM5G01TU	MOS FET
Q6105	SSM5G01TU	MOS FET
Q6106	NDS352AP	MOS FET
Q6107	2SC4617/RS/-X	TRANSISTOR
Q6108	UMZ1N	PAIR TRANSISTOR
Q6109	HN1C01FU/G/-X	PAIR TRANSISTOR
	or PUMX1	PAIR TRANSISTOR
	or UMX1N	PAIR TRANSISTOR
Q6110	2SA1577/RS/-X	TRANSISTOR
Q7101	2SA1577/QR/-X	TRANSISTOR
Q7102	DTC144EE	DIGI TRANSISTOR
	or PDTC144EE	DIGI TRANSISTOR
	or RN1104	DIGI TRANSISTOR
	or UN9213J	DIGI TRANSISTOR
Q7203	DTC144EE	DIGI TRANSISTOR
	or PDTC144EE	DIGI TRANSISTOR
	or RN1104	DIGI TRANSISTOR
	or UN9213J	DIGI TRANSISTOR

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	Q7204	2SA1577/QR/-X	TRANSISTOR	
	Q8001	2SA1774/RS/-X	TRANSISTOR	
	D1001	DA221	DIODE	
	D1002	1SS376	DIODE	
	D1602	DAP222	DIODE	
	D1603	DAP222	DIODE	
	D1604	DAP222	DIODE	
	D2702	EMZ6.8N	ZENER DIODE	
	D3001	EC2C01C	VARI CAP DIODE	
	D3002	EC2C01C	VARI CAP DIODE	
	D3003	EC2C01C	VARI CAP DIODE	
	D3004	MA2Z720	SB DIODE	
	D3701	UMZ6.8EN	ZENER DIODE	
	D5001	1SS355	DIODE	
⚠	D6001	RB706D-40-X	SB DIODE	
⚠	D6002	RB715F	SB DIODE	
	D6101	RB480Y	SB DIODE	
	D6102	RB480Y	SB DIODE	
	D6103	MA8043/L/-X	ZENER DIODE	
	D6104	RB521S-30-X	SB DIODE	
	D8301	1SS355	DIODE	
	R1001	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1002	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
	R1003	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1004	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1005	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
	R1006	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1007	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
	R1010	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
	R1015	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
	R1017	NRSA6AJ-391W	MG RESISTOR	390Ω,1/16W
	R1018	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1020	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
	R1021	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
	R1022	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
	R1025	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1026	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1029	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1030	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1033	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1034	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
	R1035	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1036	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1037	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1039	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1040	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
	R1041	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
	R1042	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
	R1043	NRSA6AJ-682W	MG RESISTOR	6.8kΩ,1/16W
	R1044	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W
	R1045	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
	R1046	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1047	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1048	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1049	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
	R1050	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
	R1051	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
	R1052	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
	R1053	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
	R1054	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1055	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1056	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1058	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	R1060	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1061	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1066	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1072	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1076	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1077	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1084	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1086	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1087	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1101	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
	R1102	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1104	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
	R1106	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
	R1107	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1108	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1109	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1401	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
	R1402	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1403	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1404	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1405	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1406	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1407	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1408	NRSA6AD-753W	MG RESISTOR	75kΩ,1/16W
	R1409	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
	R1411	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1412	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1413	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1414	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1415	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1416	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1417	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R1425	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1601	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
	R1602	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
	R1603	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1604	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1605	NRV142F-R22X	CMF RESISTOR	0.22Ω,1/4W
	R1609	NRV142F-R33X	CMF RESISTOR	0.33Ω,1/4W
	R1610	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
	R1611	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
	R1612	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1613	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1616	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
	R1619	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
	R1620	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1621	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1622	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1624	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
	R1628	NRVA6AD-361W	CMF RESISTOR	360Ω,1/16W
	R1629	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
	R1630	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1631	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1635	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1636	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1637	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
	R1701	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
	R1702	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R1703	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R1704	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R1705	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R1706	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
	R1707	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R1708	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
R1709	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1710	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
R1711	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1712	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1801	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W
R2101	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R2102	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R2105	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2106	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2107	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2108	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2109	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2110	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2111	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2112	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2201	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R2202	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2203	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
R2204	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
R2205	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R2206	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R2207	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R2208	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R2209	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R2210	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2211	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2212	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω,1/16W
R2213	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω,1/16W
R2214	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2215	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2216	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R2217	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2218	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2219	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2220	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2221	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2222	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2223	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2224	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2225	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2226	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2227	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2228	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2401	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2402	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2403	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
R2406	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2407	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2601	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R2602	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R2603	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2604	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2605	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2606	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2607	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R2608	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R2609	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R2610	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R2701	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2702	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2703	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2704	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2705	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2706	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R2707	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R2708	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2709	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2710	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2711	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2712	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2909	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3002	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3004	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3006	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3007	NRSA6AJ-562W	MG RESISTOR	5.6kΩ,1/16W
R3008	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R3009	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3010	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3011	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R3012	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3013	NRSA6AJ-242W	MG RESISTOR	2.4kΩ,1/16W
R3014	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R3015	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R3016	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R3017	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R3018	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R3019	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R3020	NRSA6AD-512W	MG RESISTOR	5.1kΩ,1/16W
R3021	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3022	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3023	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3024	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3027	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3028	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
R3030	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R3031	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R3032	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R3033	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R3038	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R3039	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R3043	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W
R3044	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3045	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3046	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
R3050	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3051	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3052	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3053	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3054	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3055	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3056	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3058	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3501	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R3502	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R3503	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3504	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R3505	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R3506	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R3507	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R3508	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R3521	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3522	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3523	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3525	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3701	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R3702	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W
R3703	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R3704	NRSA6AJ-301W	MG RESISTOR	300Ω,1/16W
R3705	NRSA6AJ-301W	MG RESISTOR	300Ω,1/16W
R3706	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R3707	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
R3708	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
R3709	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
R3710	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3711	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3712	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R3713	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R3714	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
R3715	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3721	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3722	NRSA6AD-151W	MG RESISTOR	150Ω,1/16W
R3724	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3725	NRSA6AD-151W	MG RESISTOR	150Ω,1/16W
R3726	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3727	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3728	NRSA6AD-151W	MG RESISTOR	150Ω,1/16W
R3730	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3731	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3732	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3733	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R3734	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
R3735	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
R3736	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
R3737	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
R3738	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
R3739	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R3740	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R3741	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3742	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R3743	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R3744	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R3745	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
R3746	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R3747	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3748	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
R3801	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3802	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R3803	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W
R3804	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R3805	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R3807	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4201	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4202	NRSA6AJ-510W	MG RESISTOR	51Ω,1/16W
R4203	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R4204	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4205	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4301	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
R4303	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4304	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4305	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4306	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R4307	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R4308	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R4309	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4310	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4311	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4312	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4313	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R4317	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4318	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4320	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4321	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4322	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4323	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R4324	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R5001	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R5002	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R5003	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R5004	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R5005	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R5006	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R5009	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R5010	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R5017	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R5020	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R6001	NRSA6AD-183W	MG RESISTOR	18kΩ,1/16W
R6002	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R6003	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R6004	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R6005	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R6006	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R6007	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R6008	NRSA6AD-823W	MG RESISTOR	82kΩ,1/16W
R6009	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W
⚠ R6010	NRSA63J-471X	MG RESISTOR	470Ω,1/16W
⚠ R6011	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R6101	NRSA6AD-302W	MG RESISTOR	3kΩ,1/16W
R6102	NRSA6AD-243W	MG RESISTOR	24kΩ,1/16W
R6103	NRSA6AD-163W	MG RESISTOR	16kΩ,1/16W
R6104	NRSA6AD-153W	MG RESISTOR	15kΩ,1/16W
R6105	NRSA6AD-103W	MG RESISTOR	10kΩ,1/16W
R6106	NRSA6AD-623W	MG RESISTOR	62kΩ,1/16W
R6107	NRSA6AD-223W	MG RESISTOR	22kΩ,1/16W
R6108	NRSA6AD-123W	MG RESISTOR	12kΩ,1/16W
R6109	NRSA6AD-562W	MG RESISTOR	5.6kΩ,1/16W
R6110	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W
R6111	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R6112	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
R6114	NRSA6AD-752W	MG RESISTOR	7.5kΩ,1/16W
R6115	NRSA6AD-683W	MG RESISTOR	68kΩ,1/16W
R6116	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
R6117	NRSA6AD-433W	MG RESISTOR	43kΩ,1/16W
R6118	NRSA6AD-433W	MG RESISTOR	43kΩ,1/16W
R6120	NRSA6AD-183W	MG RESISTOR	18kΩ,1/16W
R6121	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
R6122	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
R6123	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W
R6124	NRSA6AD-223W	MG RESISTOR	22kΩ,1/16W
R6125	NRSA6AD-123W	MG RESISTOR	12kΩ,1/16W
R6126	NRSA6AD-104W	MG RESISTOR	100kΩ,1/16W
R6127	NRSA6AD-103W	MG RESISTOR	10kΩ,1/16W
R6128	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W
R6129	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W
R6130	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W
R6131	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W
R6132	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W
R6133	NRSA6AJ-151W	MG RESISTOR	150Ω,1/16W
R6134	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R6135	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R6136	NRSA6AD-393W	MG RESISTOR	39kΩ,1/16W
R6137	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R6138	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R6139	NRSA6AD-273W	MG RESISTOR	27kΩ,1/16W
R6140	NRSA6AD-822W	MG RESISTOR	8.2kΩ,1/16W
R6141	NRSA6AD-823W	MG RESISTOR	82kΩ,1/16W
R6142	NRSA6AD-513W	MG RESISTOR	51kΩ,1/16W
R6143	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W
R7101	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7102	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7103	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7104	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R7105	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7106	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7107	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7108	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7109	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7112	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7113	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7114	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7116	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R7117	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R7118	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R7119	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R7120	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7121	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7122	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7123	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7124	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7201	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7202	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7203	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7204	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7213	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7214	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7215	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7216	NRSA6AD-433W	MG RESISTOR	43kΩ,1/16W
R7217	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R7218	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7219	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7220	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7221	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7222	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R7224	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R7225	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R7226	NRSA6AJ-122W	MG RESISTOR	1.2kΩ,1/16W
R7227	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7228	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7229	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R7230	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R8001	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8002	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8003	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8004	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8005	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8006	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8007	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R8009	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R8011	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8012	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8013	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R8014	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R8016	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R8017	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8022	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R8037	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R8038	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8043	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8046	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8049	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R8051	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R8052	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8055	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8057	NRSA6AJ-560W	MG RESISTOR	56Ω,1/16W
R8302	NRS181J-220X	MG RESISTOR	22Ω,1/8W
R8303	NRS181J-220X	MG RESISTOR	22Ω,1/8W
R8305	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R8306	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R8307	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R8308	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R8309	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R8310	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R8311	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R8313	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8502	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8503	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8504	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8505	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
RA1008	NRZ0034-104W	NETWORK RESISTOR	100kΩ
RA1009	NRZ0034-104W	NETWORK RESISTOR	100kΩ
RA1010	NRZ0034-104W	NETWORK RESISTOR	100kΩ
RA1401	NRZ0034-473W	NETWORK RESISTOR	47kΩ
RA3001	NRZ0064-100W	NETWORK RESISTOR	10Ω
RA3002	NRZ0064-100W	NETWORK RESISTOR	10Ω
RA4201	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA4202	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA4301	NRZ0034-181W	NETWORK RESISTOR	180Ω
RA4302	NRZ0034-181W	NETWORK RESISTOR	180Ω
RA4303	NRZ0034-181W	NETWORK RESISTOR	180Ω
RA4304	NRZ0034-181W	NETWORK RESISTOR	180Ω
RA4305	NRZ0034-100W	NETWORK RESISTOR	10Ω
RA4306	NRZ0034-100W	NETWORK RESISTOR	10Ω
RA4307	NRZ0034-100W	NETWORK RESISTOR	10Ω
RA4308	NRZ0034-100W	NETWORK RESISTOR	10Ω
RA8001	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA8002	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA8003	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA8004	NRZ0034-101W	NETWORK RESISTOR	100Ω
C1003	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C1004	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1006	NDCA1HJ-130W	CAPACITOR	13pF,50V
C1007	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1011	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1012	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1013	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1015	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1016	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1017	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1018	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1019	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1023	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1026	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1027	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1028	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1029	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1030	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1031	NCF31AZ-105X	CAPACITOR	1μF,10V
C1034	NCBA1CK-103W	CAPACITOR	0.01μF,16V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C1036	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1037	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1038	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1039	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1101	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1102	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1103	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1111	NCB30JK-105X	CAPACITOR	1µF,6.3V
C1112	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C1113	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C1401	NDCA1HJ-100W	CAPACITOR	10pF,50V
C1402	NDCA1HJ-100W	CAPACITOR	10pF,50V
C1403	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1404	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1405	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1406	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1407	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1409	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1410	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1411	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1412	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1413	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1414	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1415	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1416	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1601	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1602	NBLJ0JM-106X	T CAPACITOR	10µF,6.3V
C1603	NBLJ0JM-106X	T CAPACITOR	10µF,6.3V
C1605	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1606	NCBA1HK-152W	CAPACITOR	0.0015µF,50V
C1607	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C1614	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C1618	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C1619	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C1620	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C1621	NCB30JK-105X	CAPACITOR	1µF,6.3V
C1622	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1623	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C1624	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1625	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C1626	NCBA1HK-331W	CAPACITOR	330pF,50V
C1627	NCBA1CK-822W	CAPACITOR	0.0082µF,16V
C1628	NCB21CK-224X	CAPACITOR	0.22µF,16V
C1632	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C1633	NCB21CK-474X	CAPACITOR	0.47µF,16V
C1641	NCB21CK-474X	CAPACITOR	0.47µF,16V
C1701	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1702	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1801	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2101	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2102	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2103	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2104	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2105	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C2106	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C2107	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2108	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2109	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2110	NBE90JM-475X	T CAPACITOR	4.7µF,6.3V
C2201	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2202	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2203	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2204	NCB30JK-105X	CAPACITOR	1µF,6.3V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C2205	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2206	NBE20GM-476X	T CAPACITOR	47µF,4.0V
C2207	NBE20GM-476X	T CAPACITOR	47µF,4.0V
C2208	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2209	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2210	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2211	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2212	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2213	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2214	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2215	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2216	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2217	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2218	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2223	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2224	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2225	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2401	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2402	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2403	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2404	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2405	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2406	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2603	NCBA1CK-153W	CAPACITOR	0.015µF,16V
C2604	NCBA1CK-153W	CAPACITOR	0.015µF,16V
C2605	NCBA1EK-472W	CAPACITOR	0.0047µF,25V
C2606	NCBA1EK-472W	CAPACITOR	0.0047µF,25V
C2607	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C2608	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C2609	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C2610	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C2611	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2612	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2613	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2614	NDCA1HJ-101W	CAPACITOR	100pF,50V
C2615	NDCA1HJ-101W	CAPACITOR	100pF,50V
C2701	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2907	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3001	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C3002	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3003	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3005	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C3006	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3007	NCB10JK-106X	CAPACITOR	10µF,6.3V
C3008	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C3010	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3011	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3012	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3013	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3015	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3016	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3017	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3018	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
C3020	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3021	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3022	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3023	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3024	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C3025	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3026	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3027	NCBA1EK-472W	CAPACITOR	0.0047µF,25V
C3028	NDCA1EJ-271W	CAPACITOR	270pF,25V
C3029	NCBA1CK-103W	CAPACITOR	0.01µF,16V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C3030	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3031	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3032	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C3033	NDCA1HJ-220W	CAPACITOR	22pF,50V
C3036	NDCA1HJ-8R0W	CAPACITOR	8pF,50V
C3037	NDCA1HJ-8R0W	CAPACITOR	8pF,50V
C3038	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3039	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3042	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3043	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3044	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3045	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3046	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3047	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3048	NCB31CK-473X	CAPACITOR	0.047µF,16V
C3049	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C3050	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C3051	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3053	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3055	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3059	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C3060	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3501	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C3502	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C3503	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C3504	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C3505	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C3506	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3507	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3508	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3509	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3510	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3511	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3512	NCB31CK-104X	CAPACITOR	0.1µF,16V
C3513	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3514	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C3515	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C3516	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C3517	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3518	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3519	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C3520	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3521	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3522	NCB20JM-475X	CAPACITOR	4.7µF,6.3V
C3523	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3524	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3525	NCB20JM-475X	CAPACITOR	4.7µF,6.3V
C3526	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3527	NDCA1EJ-221W	CAPACITOR	220pF,25V
C3701	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C3702	NDCA1HJ-560W	CAPACITOR	56pF,50V
C3703	NDCA1HJ-270W	CAPACITOR	27pF,50V
C3704	NDCA1HJ-680W	CAPACITOR	68pF,50V
C3705	NDCA1HJ-270W	CAPACITOR	27pF,50V
C3706	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3707	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3708	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3709	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3710	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C3711	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C3712	NBE20GM-107X	T CAPACITOR	100µF,4.0V
C3713	NBE20GM-107X	T CAPACITOR	100µF,4.0V
C3715	NCBA1CK-103W	CAPACITOR	0.01µF,16V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C3731	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3732	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C3733	NDCA1HJ-3R0W	CAPACITOR	3pF,50V
C3734	NDCA1HJ-5R0W	CAPACITOR	5pF,50V
C3735	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3736	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C3738	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3739	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3740	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3741	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3742	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3743	NDCA1HJ-3R0W	CAPACITOR	3pF,50V
C3744	NDCA1HJ-5R0W	CAPACITOR	5pF,50V
C3745	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3746	NCB20JM-475X	CAPACITOR	4.7µF,6.3V
C3747	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3801	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3802	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3803	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C3804	NBE20GM-476X	T CAPACITOR	47µF,4.0V
C3805	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3806	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3807	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3808	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3809	NCB31CK-104X	CAPACITOR	0.1µF,16V
C3810	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3811	NCB31CK-104X	CAPACITOR	0.1µF,16V
C3812	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3813	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3814	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3815	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3816	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3817	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3818	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3819	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3901	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C3902	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4201	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4202	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4203	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4204	NBE20GM-107X	T CAPACITOR	100µF,4.0V
C4205	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4206	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4207	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4209	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4210	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4211	NCB21CK-105X	CAPACITOR	1µF,16V
C4212	NCBA1CK-123W	CAPACITOR	0.012µF,16V
C4213	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4214	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4215	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4219	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4220	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4221	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4222	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4301	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4302	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4303	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4304	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4305	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4306	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4307	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4308	NBZ0015-106X	T CAPACITOR	10µF,6.3V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C4309	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4310	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4311	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4312	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4313	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4316	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4317	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4318	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5001	NCB30JK-105X	CAPACITOR	1µF,6.3V
C5002	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C5003	NBE20JM-226X	T CAPACITOR	22µF,6.3V
C5004	NCB30JK-105X	CAPACITOR	1µF,6.3V
C5005	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5006	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5008	NBE20GM-476X	T CAPACITOR	47µF,4.0V
C5009	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C5010	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C5011	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5012	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5013	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5014	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5017	NBE41AM-476X	T CAPACITOR	47µF,10V
C5019	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5021	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C5022	NCF31EZ-104X	CAPACITOR	0.1µF,25V
C5023	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5025	NBP21VM-105X	T CAPACITOR	1µF,35V
C5027	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5028	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C6001	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6002	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6003	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6004	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C6005	NBP21CM-685X	T CAPACITOR	6.8µF,16V
C6006	NCF31AZ-105X	CAPACITOR	1µF,10V
C6007	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C6008	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6101	NCB21CK-105X	CAPACITOR	1µF,16V
C6102	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6103	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C6104	NCBA1HK-561W	CAPACITOR	560pF,50V
C6105	NCBA1HK-561W	CAPACITOR	560pF,50V
C6106	NBP21CM-685X	T CAPACITOR	6.8µF,16V
C6107	NCB21CK-105X	CAPACITOR	1µF,16V
C6108	NDCA1HJ-101W	CAPACITOR	100pF,50V
C6109	NDCA1HJ-150W	CAPACITOR	15pF,50V
C6110	NCBA1HK-272W	CAPACITOR	0.0027µF,50V
C6111	NCB30JK-105X	CAPACITOR	1µF,6.3V
C6112	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C6113	NCBA1EK-472W	CAPACITOR	0.0047µF,25V
C6114	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6115	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6116	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C6117	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6118	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C6119	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C6120	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C6121	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C6122	NCB31AK-224X	CAPACITOR	0.22µF,10V
C6123	NCB31CK-683X	CAPACITOR	0.068µF,16V
C6124	NCB21CK-105X	CAPACITOR	1µF,16V
C6125	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6126	NCB21CK-105X	CAPACITOR	1µF,16V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C6127	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6128	NCB21CK-105X	CAPACITOR	1µF,16V
C6129	NCB30JK-105X	CAPACITOR	1µF,6.3V
C6130	NCB21CK-105X	CAPACITOR	1µF,16V
C6131	NCB30JK-105X	CAPACITOR	1µF,6.3V
C6132	NCB21CK-105X	CAPACITOR	1µF,16V
C6133	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6134	NCB30JK-105X	CAPACITOR	1µF,6.3V
C6135	NCB21CK-105X	CAPACITOR	1µF,16V
C6136	NCB21CK-105X	CAPACITOR	1µF,16V
C6137	NCB21CK-105X	CAPACITOR	1µF,16V
C6138	NCB11CK-475X	CAPACITOR	4.7µF,16V
C6139	NCB11EK-105X	CAPACITOR	1µF,25V
C6140	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6141	NCB21CK-105X	CAPACITOR	1µF,16V
C6142	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6143	NCB21CK-105X	CAPACITOR	1µF,16V
C7101	NBE91AM-335X	T CAPACITOR	3.3µF,10V
C7102	NCB31EK-682X	CAPACITOR	0.0068µF,25V
C7106	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C7107	NBE81AM-106X	T CAPACITOR	10µF,10V
C7108	NCB21AK-105X	CAPACITOR	1µF,10V
C7109	NCB21AK-105X	CAPACITOR	1µF,10V
C7110	NCB21AK-105X	CAPACITOR	1µF,10V
C7111	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C7115	NCB30JK-105X	CAPACITOR	1µF,6.3V
C7116	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C7117	NCB30JK-105X	CAPACITOR	1µF,6.3V
C7118	NCB30JK-105X	CAPACITOR	1µF,6.3V
C7119	NCB30JK-105X	CAPACITOR	1µF,6.3V
C7120	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C7121	NCB31CK-104X	CAPACITOR	0.1µF,16V
C7122	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C7123	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7124	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C7125	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7126	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C7127	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C7128	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C7201	NBE21AM-106X	T CAPACITOR	10µF,10V
C7202	NCB21CK-105X	CAPACITOR	1µF,16V
C7203	NCB21CK-105X	CAPACITOR	1µF,16V
C7204	NCB21CK-105X	CAPACITOR	1µF,16V
C7205	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C7206	NCB21CK-105X	CAPACITOR	1µF,16V
C7207	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C7209	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7210	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7211	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7213	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C7214	NBE91AM-335X	T CAPACITOR	3.3µF,10V
C7215	NCBA1EK-682W	CAPACITOR	0.0068µF,25V
C7216	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7217	NCB21CK-105X	CAPACITOR	1µF,16V
C7218	NBP21VM-155X	T CAPACITOR	1.5µF,35V
C7219	NCB21EK-104X	CAPACITOR	0.1µF,25V
C7220	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C7221	NCB31CK-104X	CAPACITOR	0.1µF,16V
C7222	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C7223	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7224	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7225	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C7226	NBZ0015-106X	T CAPACITOR	10µF,6.3V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C7227	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C7228	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7229	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C7230	NBP21VM-155X	T CAPACITOR	1.5µF,35V
C7231	NBE90JM-106X	T CAPACITOR	10µF,6.3V
C8001	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C8002	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C8003	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C8004	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8005	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8006	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C8007	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8008	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8009	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8010	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8011	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8014	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8015	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8016	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8017	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8018	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8019	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8020	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C8021	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8022	NCB30JK-105X	CAPACITOR	1µF,6.3V
C8023	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C8024	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C8025	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C8026	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C8301	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C8305	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8306	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8307	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8310	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8311	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8501	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C8502	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8503	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8504	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C8505	NCBA1AK-104W	CAPACITOR	0.1µF,10V
L1002	NQR0006-001X	FERRITE BEAD	
L1101	NQL402M-100X	COIL	10µH
L1401	NQR0006-001X	FERRITE BEAD	
L2101	NQL402M-100X	COIL	10µH
L2401	NQL402M-100X	COIL	10µH
L2402	NQL402M-100X	COIL	10µH
L2601	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2602	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2603	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2701	NQR0129-002X	FERRITE BEAD	
L3001	NQR0129-002X	FERRITE BEAD	
L3002	NQR0129-002X	FERRITE BEAD	
L3004	NQR0006-001X	FERRITE BEAD	
L3005	NQR0006-001X	FERRITE BEAD	
L3007	NQL085J-2R2X	COIL	2.2µH
L3008	NQL085J-120X	COIL	12µH
L3010	NQR0383-003X	COIL	
L3011	NQR0383-003X	COIL	
L3012	NQR0006-001X	FERRITE BEAD	
L3013	NQR0129-002X	FERRITE BEAD	
L3501	NQR0129-002X	FERRITE BEAD	
L3502	NQL402M-100X	COIL	10µH
L3503	NQR0006-001X	FERRITE BEAD	

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
L3504	NQR0006-001X	FERRITE BEAD	
L3505	NQR0006-001X	FERRITE BEAD	
L3701	NQL38DK-100X	COIL	10µH
L3731	NQL085J-6R8X	COIL	6.8µH
L3732	NQL085J-6R8X	COIL	6.8µH
L3801	NQR0129-002X	FERRITE BEAD	
L3802	NQR0129-002X	FERRITE BEAD	
L3803	NQR0006-001X	FERRITE BEAD	
L3804	NQL38DK-100X	COIL	10µH
L3901	NQL38DK-100X	COIL	10µH
L4201	NQL38DK-100X	COIL	10µH
L4301	NQR0129-002X	FERRITE BEAD	
L4302	NQR0129-002X	FERRITE BEAD	
L4303	NQR0129-002X	FERRITE BEAD	
L4304	NQR0129-002X	FERRITE BEAD	
L5001	NQR0129-002X	FERRITE BEAD	
L5002	NQL38DK-100X	COIL	10µH
L5003	NQL38DK-100X	COIL	10µH
L5004	NQL38DK-100X	COIL	10µH
L5005	NQR0129-002X	FERRITE BEAD	
L5006	NQL38DK-100X	COIL	10µH
L5007	NQR0129-002X	FERRITE BEAD	
L6001	NQL402M-100X	COIL	10µH
L6101	NQL68EM-100X	COIL	10µH
L6102	NQL68EM-100X	COIL	10µH
L6103	NQLZ010-390X	COIL	39µH
L6104	NQL68EM-330X	COIL	33µH
L6105	NQL68EM-330X	COIL	33µH
L6106	NQL68EM-470X	COIL	47µH
L6107	NQL68EM-330X	COIL	33µH
L6108	NQL144K-220X	COIL	22µH
L6109	NQLZ011-221X	COIL	220µH
L7102	NQL38DK-220X	COIL	22µH
L7103	NQL38DK-220X	COIL	22µH
L7104	NQL38DK-220X	COIL	22µH
L7201	NQL38DK-220X	COIL	22µH
L7202	NQL38DK-220X	COIL	22µH
L7203	NQL38DK-220X	COIL	22µH
L7204	NQL38DK-220X	COIL	22µH
L7205	NQL38DK-100X	COIL	10µH
L8001	NQR0129-002X	FERRITE BEAD	
L8002	NQR0129-002X	FERRITE BEAD	
L8003	NQR0006-001X	FERRITE BEAD	
L8004	NQR0129-002X	FERRITE BEAD	
L8005	NQR0129-002X	FERRITE BEAD	
L8006	NQR0006-001X	FERRITE BEAD	
L8301	NQR0129-002X	FERRITE BEAD	
L8501	NQR0129-002X	FERRITE BEAD	
X1001	NAX0474-001X	C OSCILLATOR	
X1002	NAX0546-001X	CRYSTAL RESONATOR	
X1401	NAX0175-001X	CRYSTAL RESONATOR	
X3002	NAX0480-001X	CRYSTAL RESONATOR	
X4301	NAX0319-001X	CXO	
X8301	NAX0522-001X	RESONATOR	
S1001	NSW0182-001X	PUSH SWITCH,MONITOR SW	
TB1	LY32205-001A	BATTERY TERMINAL UNIT	
J101	QNZ0518-002	D CONNECTOR	
CN101	QGF0517F1-08X	FPC CONNECTOR	
CN102	QGF0520F1-06X	FFC/FPC CONNECTOR	
CN103	QGF0520F1-06X	FFC/FPC CONNECTOR	
CN104	QGF0517F2-11X	FPC CONNECTOR	
CN105	QGF0517F2-18X	FPC CONNECTOR	
CN106	QGF0517F2-16X	FPC CONNECTOR	

#	⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
		CN107	QGB0406L1-50X	CONNECTOR	
		CN108	QGA1001F1-02X	CONNECTOR	
		CN109	QGF0520F2-13X	FFC/FPC CONNECTOR	
		CN110	QGB0404M1-80X	CONNECTOR	
		CN111	QGF0517F2-20X	FPC CONNECTOR	
		CN112	QGF0517F1-08X	FPC CONNECTOR	
		CN113	QGF0306F1-39X	FPC CONNECTOR	
		CN114	QGB0512L4-40X	CONNECTOR	
		CN115	QGA1001F1-04X	CONNECTOR	
	⚠	F6101	NMFZ007-2R0X-K	FUSE	T2.0A,50V
	⚠	F6102	NMFZ007-2R0X-K	FUSE	T2.0A,50V
	⚠	F6103	NMFZ007-1R0X-K	FUSE	T1.0A,50V
		OT1	LY30029-0W6A	SPACER(A)	
		OT2	LY30029-0V3A	SPACER(A)	
		OT3	LY30029-0V7A	SPACER(A)	
		OT4	LY30029-0W3A	SPACER(A)	
		OT5	LY30029-0X7A	SPACER(A)	
		OT6	LY30029-0W9A	SPACER(A)	
		OT7	LY30029-0X6A	SPACER(A)	
	⚠	OT8	LY43187-001A	LABEL(FUSE)	
		OT9	LY30029-0X9A	SPACER(A)	
		SD1	LY32271-001B	SHIELD CASE(PR)	
		SD2	LY43856-001B	SHIELD(CCD2)	

****

OP MDA BOARD ASSEMBLY <02>

	PW	YB10371A	OP MDA BOARD ASSY
	IC4802	TA75W01FU	IC
	IC4803	TA75W01FU	IC
	IC4804	NJM3414AV	IC
	IC4805	MM6564XFBE	IC
	IC4806	TC7S08FU	IC(DIGITAL)
	IC4851	UPD16879GS	IC
	Q1151	RPM-22PB	PHOTO TRANSISTOR
	Q2001	DTC143XE	DIGI TRANSISTOR
	Q2901	2SB1121/TU/-X	TRANSISTOR
		or 2SB1121/ST/-X	TRANSISTOR
	Q2902	2SC5658	TRANSISTOR
	Q4801	2SC4655/BC/-X	TRANSISTOR
	Q4802	2SC5658	TRANSISTOR
	Q4803	DTC144EE	DIGI TRANSISTOR
	Q4804	DTA144EE	DIGI TRANSISTOR
	Q4805	2SC4617/RS/-X	TRANSISTOR
	Q4806	2SA1774/QR/-X	TRANSISTOR
	Q4851	2SC5658	TRANSISTOR
	D2001	CL-221HR-C-X	LE DIODE
	D2901	EMZ6.8N	ZENER DIODE
	D2902	EMZ6.8N	ZENER DIODE
	D2903	EMZ6.8N	ZENER DIODE
	R1151	NRSA6AJ-302W	MG RESISTOR 3kΩ,1/16W
	R2001	NRSA6AJ-471W	MG RESISTOR 470Ω,1/16W
	R2903	NRSA6AJ-103W	MG RESISTOR 10kΩ,1/16W
	R2905	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W
	R2906	NRSA6AJ-103W	MG RESISTOR 10kΩ,1/16W
	R2907	NRSA6AJ-473W	MG RESISTOR 47kΩ,1/16W
	R2908	NRSA6AJ-473W	MG RESISTOR 47kΩ,1/16W
	R2919	NRSA6AJ-105W	MG RESISTOR 1MΩ,1/16W
	R2920	NRSA6AJ-105W	MG RESISTOR 1MΩ,1/16W
	R4804	NRSA6AJ-564W	MG RESISTOR 560kΩ,1/16W
	R4805	NRSA6AJ-103W	MG RESISTOR 10kΩ,1/16W
	R4806	NRSA6AJ-683W	MG RESISTOR 68kΩ,1/16W
	R4807	NRSA6AJ-683W	MG RESISTOR 68kΩ,1/16W
	R4808	NRSA6AJ-243W	MG RESISTOR 24kΩ,1/16W
	R4809	NRSA6AJ-331W	MG RESISTOR 330Ω,1/16W
	R4810	NRSA6AJ-103W	MG RESISTOR 10kΩ,1/16W
	R4811	NRSA6AJ-564W	MG RESISTOR 560kΩ,1/16W
	R4812	NRSA6AJ-153W	MG RESISTOR 15kΩ,1/16W
	R4814	NRSA6AJ-105W	MG RESISTOR 1MΩ,1/16W
	R4815	NRSA6AJ-472W	MG RESISTOR 4.7kΩ,1/16W
	R4816	NRSA6AJ-105W	MG RESISTOR 1MΩ,1/16W
	R4817	NRSA6AJ-472W	MG RESISTOR 4.7kΩ,1/16W
	R4818	NRSA6AJ-103W	MG RESISTOR 10kΩ,1/16W
	R4819	NRSA6AJ-103W	MG RESISTOR 10kΩ,1/16W
	R4820	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W
	R4821	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W
	R4822	NRSA6AJ-473W	MG RESISTOR 47kΩ,1/16W
	R4823	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W
	R4824	NRSA6AJ-472W	MG RESISTOR 4.7kΩ,1/16W
	R4825	NRSA6AJ-222W	MG RESISTOR 2.2kΩ,1/16W
	R4826	NRSA6AJ-473W	MG RESISTOR 47kΩ,1/16W
	R4828	NRSA6AJ-183W	MG RESISTOR 18kΩ,1/16W
	R4829	NRSA6AJ-122W	MG RESISTOR 1.2kΩ,1/16W
	R4830	NRSA6AJ-222W	MG RESISTOR 2.2kΩ,1/16W
	R4831	NRSA6AJ-473W	MG RESISTOR 47kΩ,1/16W
	R4832	NRSA6AJ-333W	MG RESISTOR 33kΩ,1/16W
	R4833	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W
	R4834	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W
	R4836	NRSA6AJ-561W	MG RESISTOR 560Ω,1/16W
	R4841	NRSA6AJ-103W	MG RESISTOR 10kΩ,1/16W
	R4842	NRSA6AJ-103W	MG RESISTOR 10kΩ,1/16W
	R4848	NRSA6AJ-101W	MG RESISTOR 100Ω,1/16W
	R4856	NRSA63J-6R8X	MG RESISTOR 6.8Ω,1/16W
	R4857	NRSA63J-6R8X	MG RESISTOR 6.8Ω,1/16W
	R4858	NRSA6AJ-333W	MG RESISTOR 33kΩ,1/16W
	R4862	NRSA63J-6R8X	MG RESISTOR 6.8Ω,1/16W
	R4863	NRSA63J-6R8X	MG RESISTOR 6.8Ω,1/16W
	R4864	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W
	R4865	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W
	R4866	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W
	R4867	NRSA6AJ-102W	MG RESISTOR 1kΩ,1/16W
	R4868	NRSA6AJ-101W	MG RESISTOR 100Ω,1/16W
	R4870	NRSA6AJ-271W	MG RESISTOR 270Ω,1/16W
	R9901	NRSA6AJ-104W	MG RESISTOR 100kΩ,1/16W
	R9902	NRSA6AJ-153W	MG RESISTOR 15kΩ,1/16W
	R9903	NRSA6AJ-183W	MG RESISTOR 18kΩ,1/16W
	R9904	NRSA6AJ-273W	MG RESISTOR 27kΩ,1/16W
	C1151	NBZ0015-106X	T CAPACITOR 10μF,6.3V
	C1152	NCB21HK-683X-R	CAPACITOR 0.068μF,50V
	C2901	NCBA1CK-103W	CAPACITOR 0.01μF,16V
	C2904	NCBA1CK-103W	CAPACITOR 0.01μF,16V
	C4803	NBZ0015-106X	T CAPACITOR 10μF,6.3V
	C4804	NCFA1AZ-104W	CAPACITOR 0.1μF,10V
	C4805	NCFA1AZ-104W	CAPACITOR 0.1μF,10V
	C4806	NCFA1AZ-104W	CAPACITOR 0.1μF,10V
	C4808	NCB30JK-105X	CAPACITOR 1μF,6.3V
	C4809	NCFA1AZ-104W	CAPACITOR 0.1μF,10V
	C4810	NCFA1HZ-103W	CAPACITOR 0.01μF,50V
	C4811	NCFA1HZ-103W	CAPACITOR 0.01μF,50V
	C4812	NCFA1AZ-104W	CAPACITOR 0.1μF,10V
	C4813	NCFA1AZ-104W	CAPACITOR 0.1μF,10V
	C4814	NCFA1AZ-104W	CAPACITOR 0.1μF,10V
	C4815	NCB31HK-152X	CAPACITOR 0.0015μF,50V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C4816	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4819	NCF31CZ-104X	CAPACITOR	0.1µF,16V
C4851	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4852	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4853	NBEJ0JM-475X	T CAPACITOR	4.7µF,6.3V
C4854	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4855	NCB31CK-104X	CAPACITOR	0.1µF,16V
C4858	NDCA1HJ-680W	CAPACITOR	68pF,50V
C4859	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C4860	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C4861	NCBA1CK-153W	CAPACITOR	0.015µF,16V
C4862	NCBA1CK-153W	CAPACITOR	0.015µF,16V
C4864	NBEJ0JM-475X	T CAPACITOR	4.7µF,6.3V
C4865	NCBA1AK-104W	CAPACITOR	0.1µF,10V
L1151	NQR0265-001X	FERRITE BEAD	
L2901	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2902	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2903	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2904	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2905	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2906	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
L2907	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2908	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2909	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2910	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L4802	NQL38DK-100X	COIL	10µH
L4851	NQR0129-002X	FERRITE BEAD	
L4852	NQL38DK-100X	COIL	10µH
L4853	NQL38DK-100X	COIL	10µH
B201	QAB0040-001	LI BATTERY	
SW2001	NSW0175-001X	PUSH SWITCH,VF SW	
S9901	NSW0145-001X	TACT SWITCH,BACK LIGHT	
S9902	NSW0145-001X	TACT SWITCH,EXPOSURE	
S9903	NSW0145-001X	TACT SWITCH,FOCUS	
S9904	NSW0099-001X	SLIDE SWITCH,VIDEO/MEMORY	
CN201	QGB0404L1-80X	CONNECTOR	
CN202	QGF0517F1-16X	FPC CONNECTOR	
CN203	QGF0517F1-20X	FPC CONNECTOR	
CN204	QGF0517F1-24X	FPC CONNECTOR	

****

BOTTOM BOARD ASSEMBLY <03>

PW1	YB10372A1-02	BOTTOM BOARD ASSY	
R2801	NRSA63J-220X	MG RESISTOR	22Ω,1/16W
R2802	NRSA63J-220X	MG RESISTOR	22Ω,1/16W
R2803	NRSA63J-220X	MG RESISTOR	22Ω,1/16W
R2804	NRSA63J-220X	MG RESISTOR	22Ω,1/16W
R2805	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2806	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2807	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2808	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2809	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2810	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2811	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2814	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2851	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R2852	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R2853	NRSA63J-151X	MG RESISTOR	150Ω,1/16W
R2854	NRSA63J-151X	MG RESISTOR	150Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R2855	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C2801	NBE20JM-106X	T CAPACITOR	10µF,6.3V
C2804	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2851	NCB31EK-103X	CAPACITOR	0.01µF,25V
C2852	NCB31EK-103X	CAPACITOR	0.01µF,25V
C2853	NCB31HK-472X	CAPACITOR	0.0047µF,50V
C2854	NCB31HK-472X	CAPACITOR	0.0047µF,50V
L2801	NQR0384-003X	COIL	
L2851	NQR0251-004X	FERRITE BEAD	
L2852	NQR0251-004X	FERRITE BEAD	
L2853	NQR0251-004X	FERRITE BEAD	
L2854	NQR0251-004X	FERRITE BEAD	
L2855	NQR0251-004X	FERRITE BEAD	
L2856	NQR0251-004X	FERRITE BEAD	
L2857	NQR0251-004X	FERRITE BEAD	
L2858	NQR0251-004X	FERRITE BEAD	
L2859	NQR0251-004X	FERRITE BEAD	
BK1	LY32626-001A	BOTTOM PWB BRACKET	
J301	QNS0200-001	3.5 JACK	
J302	NNZ0070-001X	USB CONNECTOR	
CN301	QGB0406M1-50X	CONNECTOR	
CN302	NNZ0082-001X	M CONNECTORCTOR	
CN303	NNZ0067-001X	SD CARD CONNECTOR	
OT1	LY30029-0V5A	SPACER(A)	
OT2	LY30029-0X4A	SPACER(A)	
OT3	LY30029-0Y2A	SPACER(A)	
OT4	LY30029-0X5A	SPACER(A)	
SD1	LY43764-001A	SHIELD(BOTTOM)	

****

MONITOR BOARD ASSEMBLY <04>

PW1	YB20933A1	MONITOR BOARD ASSY	
Q7501	UMD3N	DIGI TRANSISTOR	
Q7502	2SC4617/RS/-X	TRANSISTOR	
Q7503	XP6501	TRANSISTOR	
Q7504	XP6501	TRANSISTOR	
D7601	UDZ2.7B	ZENER DIODE	
D7602	UDZS4.3B	ZENER DIODE	
R7501	NRSA63D-472X	MG RESISTOR	4.7kΩ,1/16W
R7502	NRSA63D-621X	MG RESISTOR	620Ω,1/16W
R7504	NRSA63D-101X	MG RESISTOR	100Ω,1/16W
R7505	NRSA63D-101X	MG RESISTOR	100Ω,1/16W
R7506	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R7507	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R7508	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R7511	NRSA63D-153X	MG RESISTOR	15kΩ,1/16W
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R7601	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
C7501	NCB21CK-104X	CAPACITOR	0.1µF,16V
C7502	NCB21CK-104X	CAPACITOR	0.1µF,16V
C7601	NCB21CK-104X	CAPACITOR	0.1µF,16V
C7602	NCB21CK-105X	CAPACITOR	1µF,16V
C7603	NCB21CK-105X	CAPACITOR	1µF,16V
C7605	NBE81AM-106X	T CAPACITOR	10µF,10V
C7606	NCB21CK-105X	CAPACITOR	1µF,16V
CN401	QGF0307F1-33W	FPC CONNECTOR	
CN402	QGF0517F1-24X	FPC CONNECTOR	
CN403	QGF0520F1-06X	FFC/FPC CONNECTOR	

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	

****

CCD BOARD ASSEMBLY <05>

PW	YB20926A-01	CCD BOARD ASSY	
Q5201	2SC3931/CD/-X	TRANSISTOR	
Q5202	2SC4081/RS/-X	TRANSISTOR	
Q5203	2SC3931/CD/-X	TRANSISTOR	
R5201	NRSA63J-472X	MG RESISTOR	4.7kΩ,1/16W
R5202	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R5203	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R5204	NRSA63J-123X	MG RESISTOR	12kΩ,1/16W
R5205	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
C5202	NBP41DM-106X	T CAPACITOR	10μF,20V
C5203	NCF31EZ-104X	CAPACITOR	0.1μF,25V
C5204	NBE21AM-106X	T CAPACITOR	10μF,10V
C5205	NCB31CK-104X	CAPACITOR	0.1μF,16V
C5206	NCB21EK-104X	CAPACITOR	0.1μF,25V
C5207	NCB31HK-222X	CAPACITOR	0.0022μF,50V
C5211	NCB31CK-104X	CAPACITOR	0.1μF,16V
OT1	LY30029-0V8A	SPACER(A)	

****

EJECT BOARD ASSEMBLY <06>

PW2	YB10372A2	EJECT BOARD ASSY
S1	NSW0095-001X	DETECT SWITCH,EJECT SW
WR1	WJM0286-001A	E-SI C WIRE C-F,EJECT-MAIN CN108

****

VF BL BOARD ASSEMBLY <07>

PW2	YB20933A2	VF BL BOARD ASSY	
Q7001	UMD3N	DIGI TRANSISTOR	
Q7002	PUMX1	PAIR TRANSISTOR	
D7001	NSCW100A0/ST/-X	LE DIODE	
R7001	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R7002	NRSA63J-561X	MG RESISTOR	560Ω,1/16W
R7003	NRSA63J-470X	MG RESISTOR	47Ω,1/16W
R7005	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
C7001	NCB31CK-104X	CAPACITOR	0.1μF,16V
C7002	NCB31CK-104X	CAPACITOR	0.1μF,16V
C7003	NCB31CK-104X	CAPACITOR	0.1μF,16V
CN7001	QGF0517F2-20X	FPC CONNECTOR	
CN7002	QGF0517F1-16X	FPC CONNECTOR	

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION

SECTION 4
CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components identified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

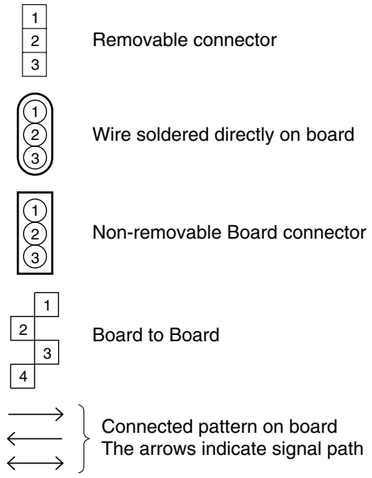
1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ (1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in μF, (P: PF).
3) All inductance values are in μH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

2. Indications of control voltage

AUX : Active at high.

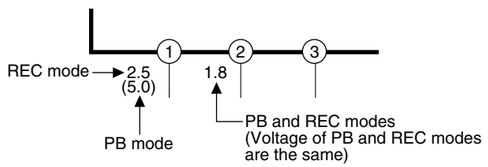
$\overline{AUX}$ or AUX(L) : Active at low.

3. Interpreting Connector indications



4. Voltage measurement

1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
4) Indication on schematic diagram
   Voltage Indications for REC and PB mode on the schematic diagram are as shown below.

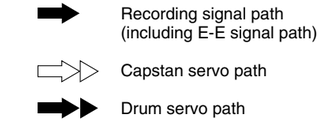


Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

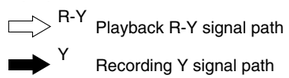
5. Signal path Symbols

The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.

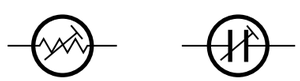


(Example)



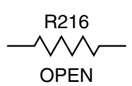
6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.



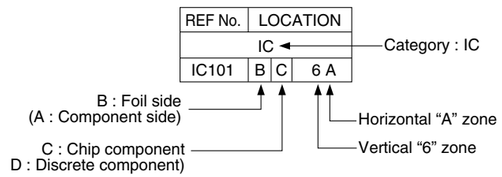
CIRCUIT BOARD NOTES

1. Foil and Component sides

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

2. Parts location guides

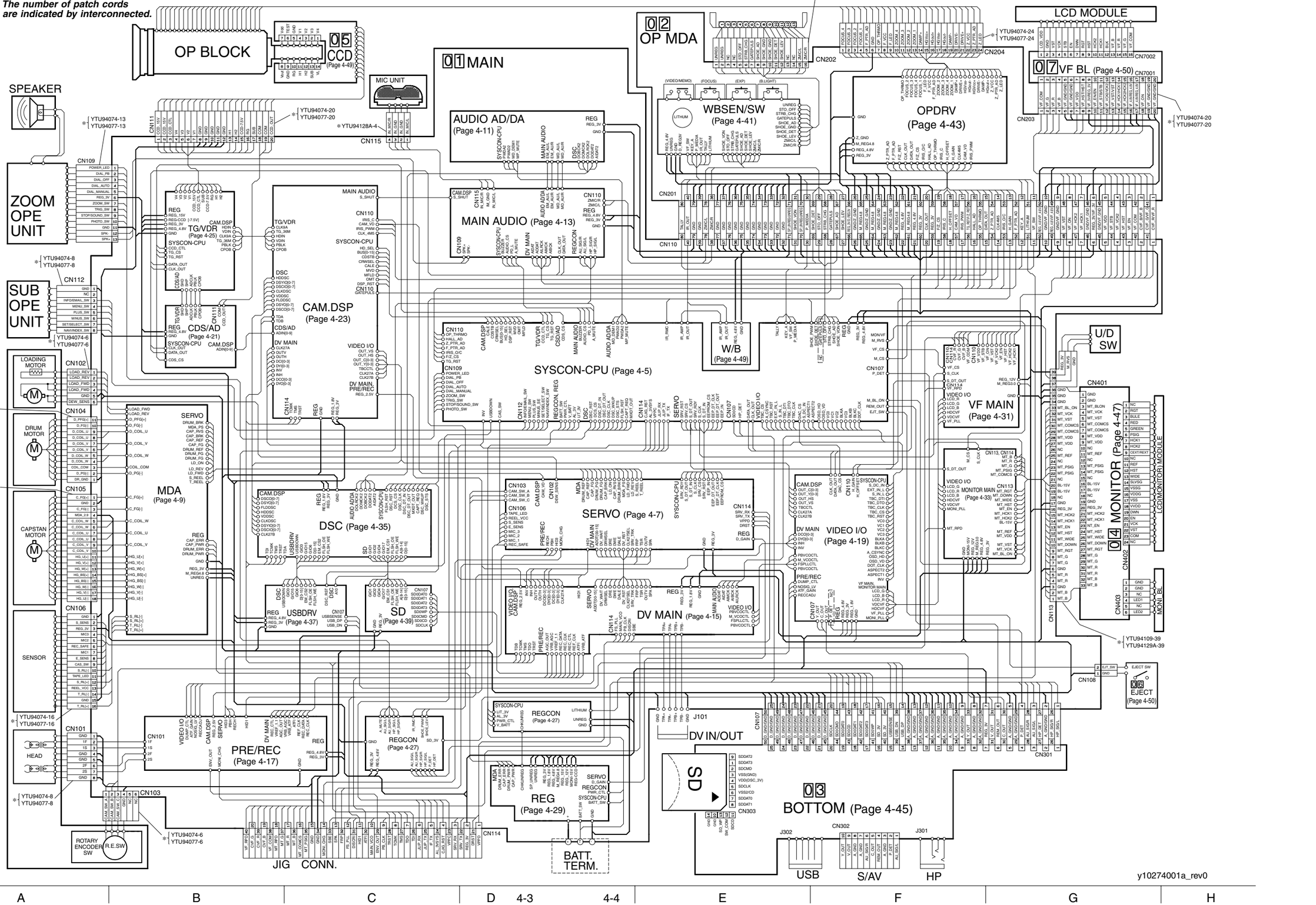
Parts location are indicated by guide scale on the circuit board.



Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

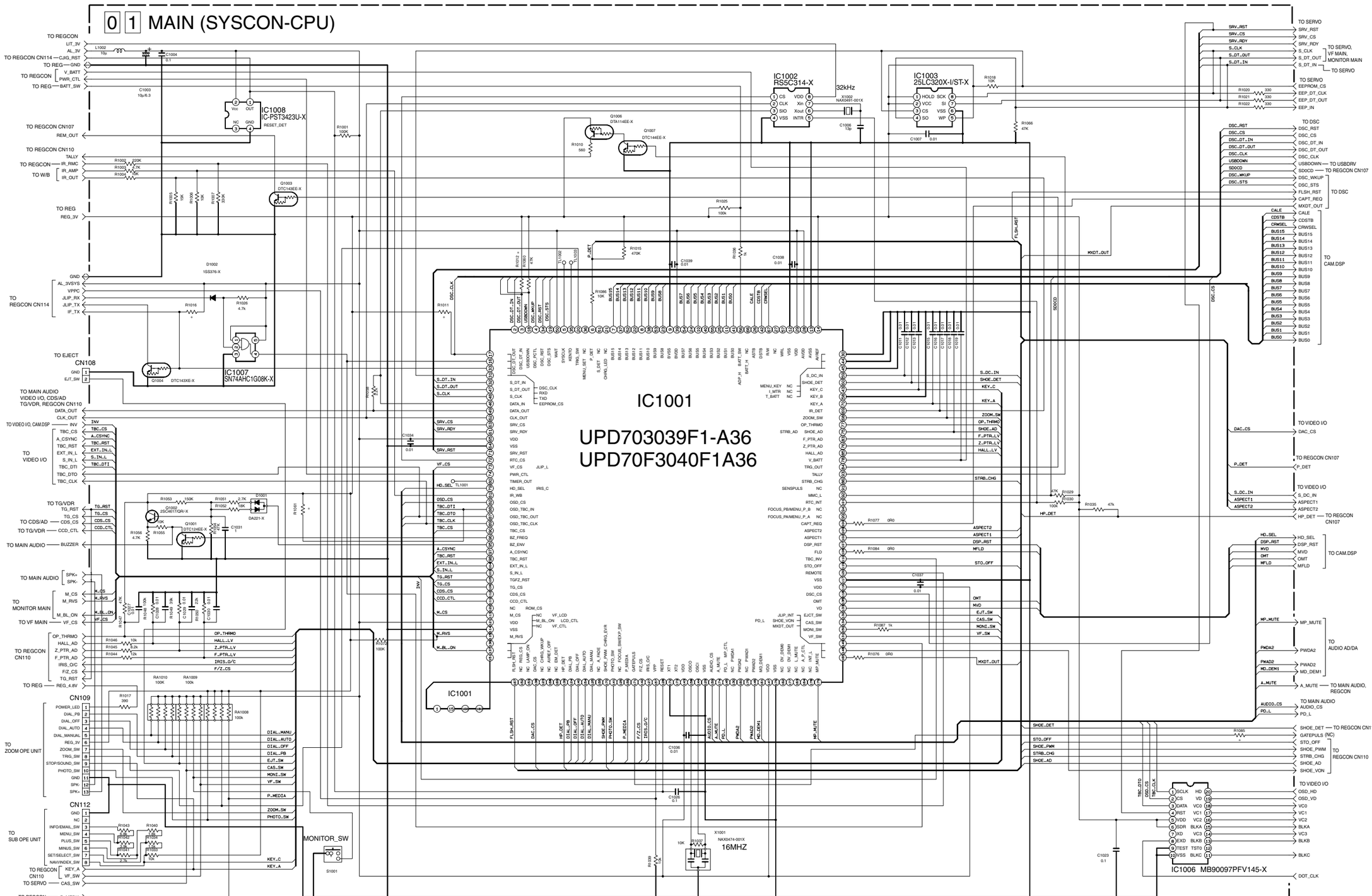
4.1 BOARD INTERCONNECTIONS

NOTE)* : The number of patch cords are indicated by interconnected.



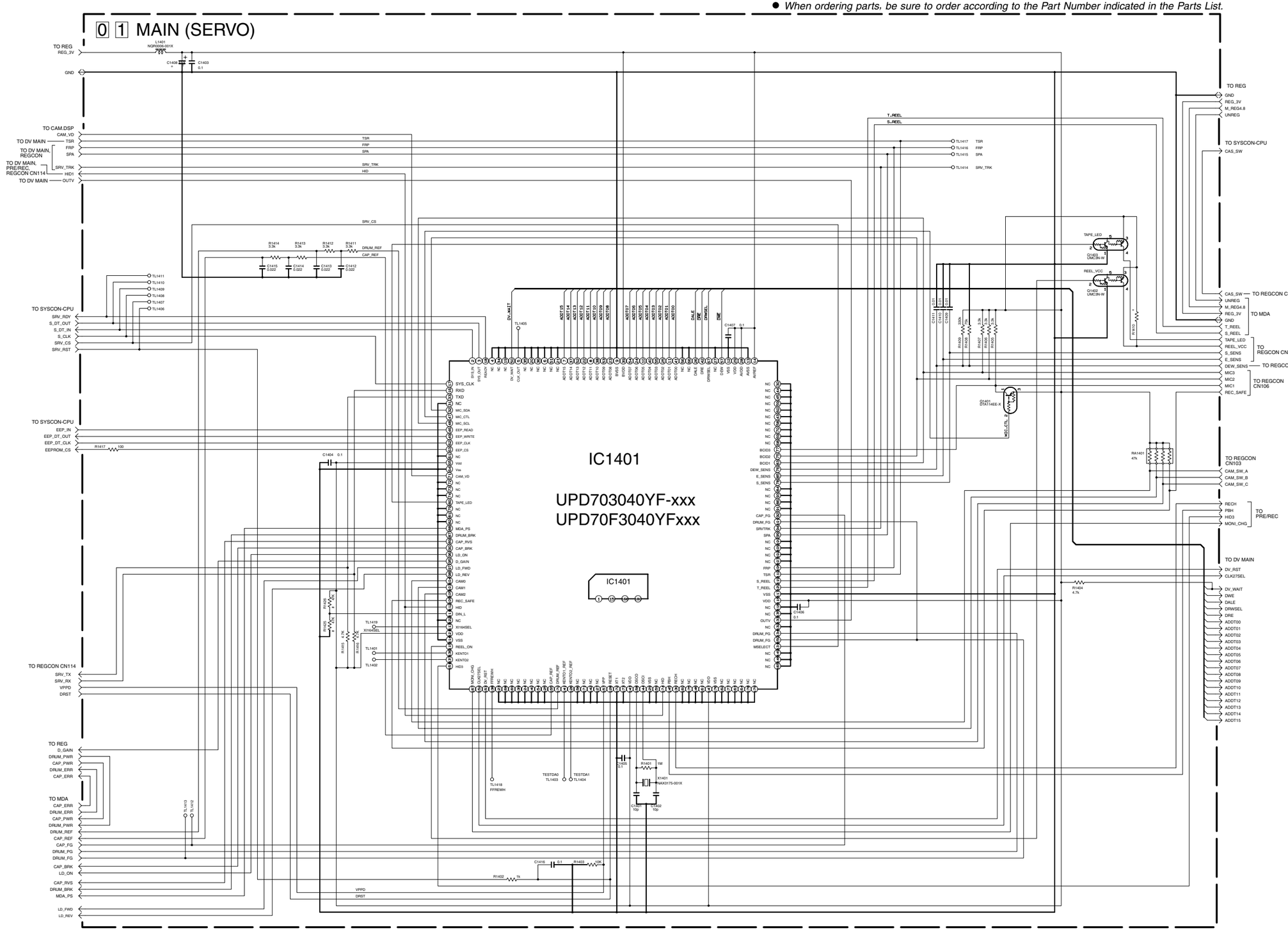
4.2 SYSCON-CPU SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



4.3 SERVO SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



NOTE : The parts with marked (✻) is not used.

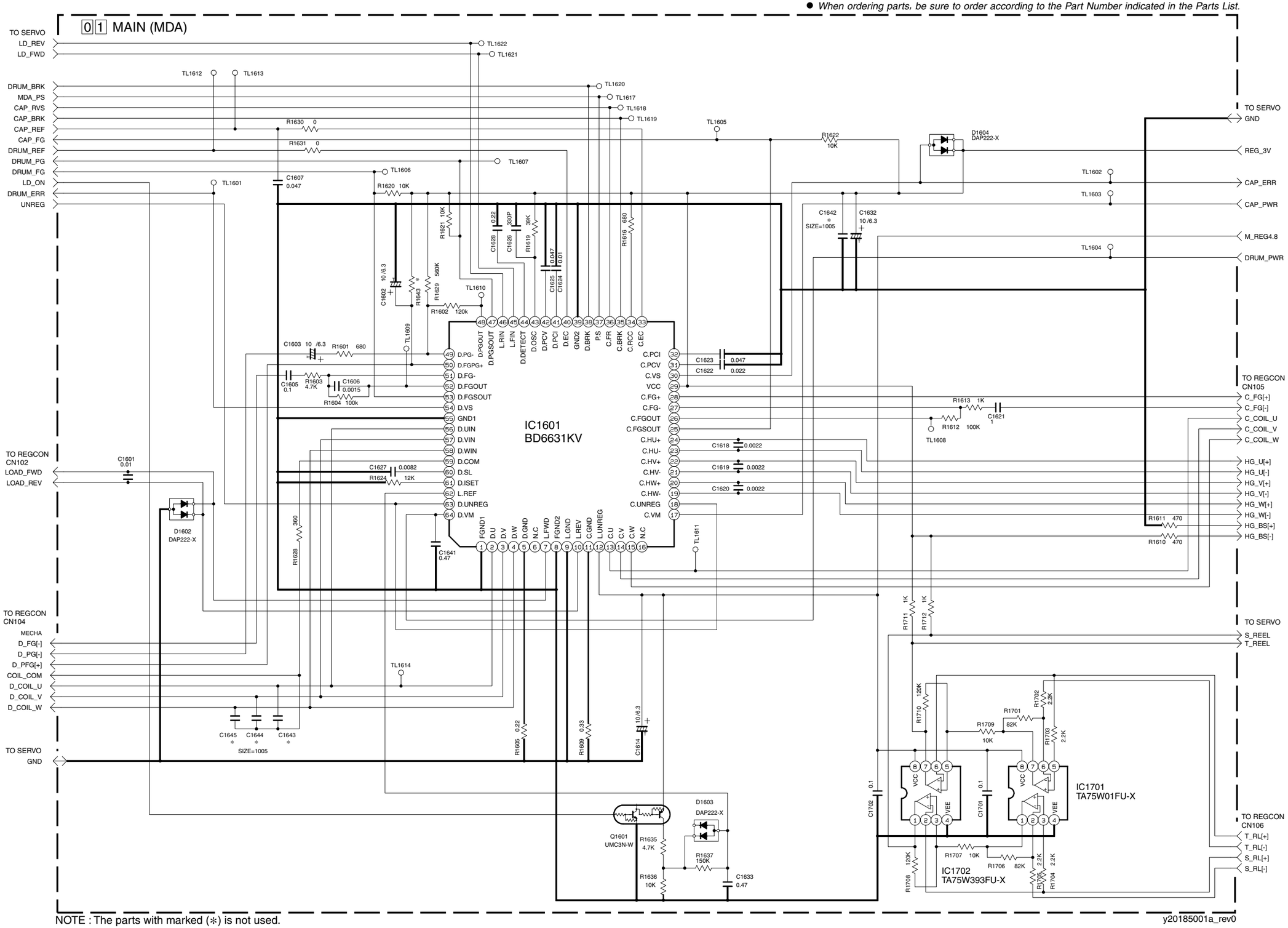
Exchange parts list

	IC1401 ROM No.
With DV INPUT	M13
Without DV INPUT	M15

y10276001a_rev0

4.4 MDA SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



4.5 AUDIO AD/DA SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

0 1 MAIN (AUDIO AD/DA)

TO MAIN AUDIO
EM_AU/R
EM_AU/L
MD_AU/L
MD_AU/R

R2105 3.3k
R2106 3.3k
C2103 1
C2104 1

IC2101
AK4550VT-X
AOUTR (16) AOUTL (15) PWDA (14) PWAD (13) SCLK (12) MCLK (11) LRCK (10) SDTI (9)
VCOM (1) AINR (2) AINL (3) VSS (4) VDD (5) DEM0 (6) DEM1 (7) SDTO (8)

C2112 * C2113 * C2114 *

TO DSC
DOBCK2
DOMCK2
DOLRCK2
DODAT2
AIDAT2

L2101 10µ
C2107 10 /6.3
TO REG
REG_3V
GND

Q2101 UMX18N-W
R2109 3.3k
C2111 *
R2108 560k
R2107 560k
R2101 470
R2102 470
C2102 1
C2101 1
C2108 0.1
C2109 0.1
R2103
R2104 *
C2106 0.0022
C2110 4.7 /6.3
C2105 0.0022
R2110 0Ω
R2111 0Ω
R2113 *
R2112 0Ω

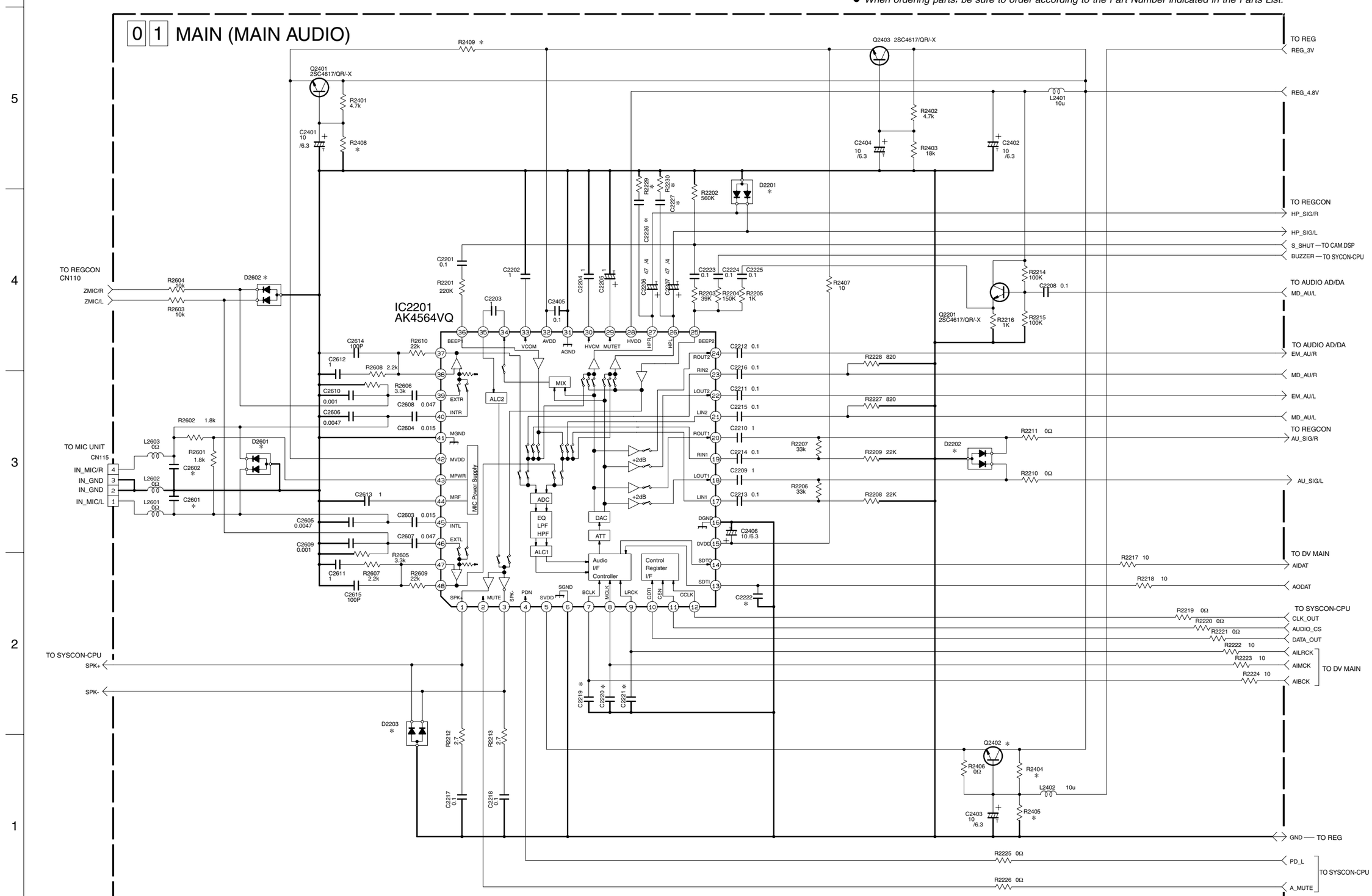
TO SYSCON-CPU
PWDA2
PWAD2
MD_DEM1
MP_MUTE

NOTE : The parts with marked (*) is not used.

y30174001a_rev0

4.6 MAIN AUDIO SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

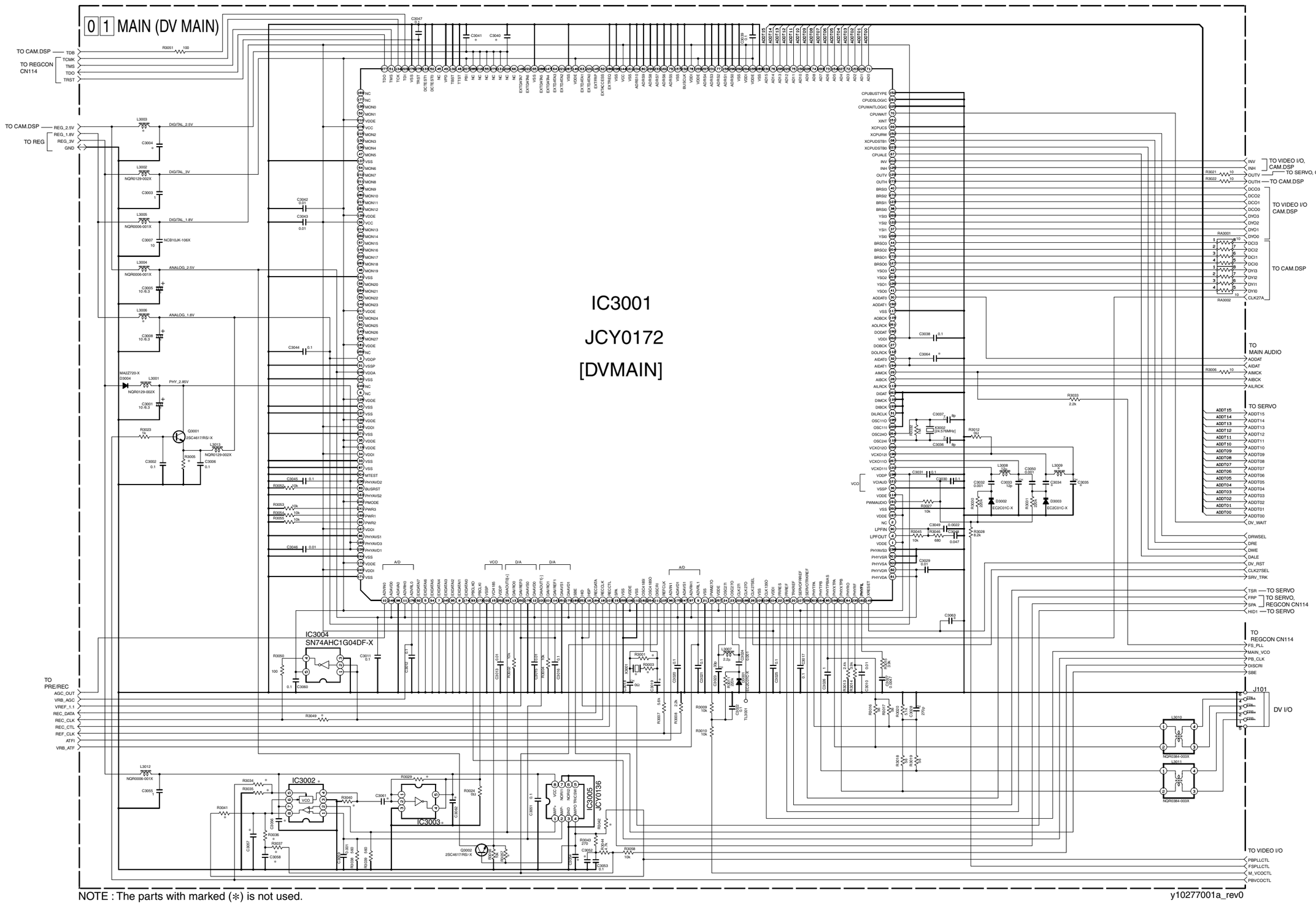


NOTE : The parts with marked (*) is not used.

y20186001a_rev0

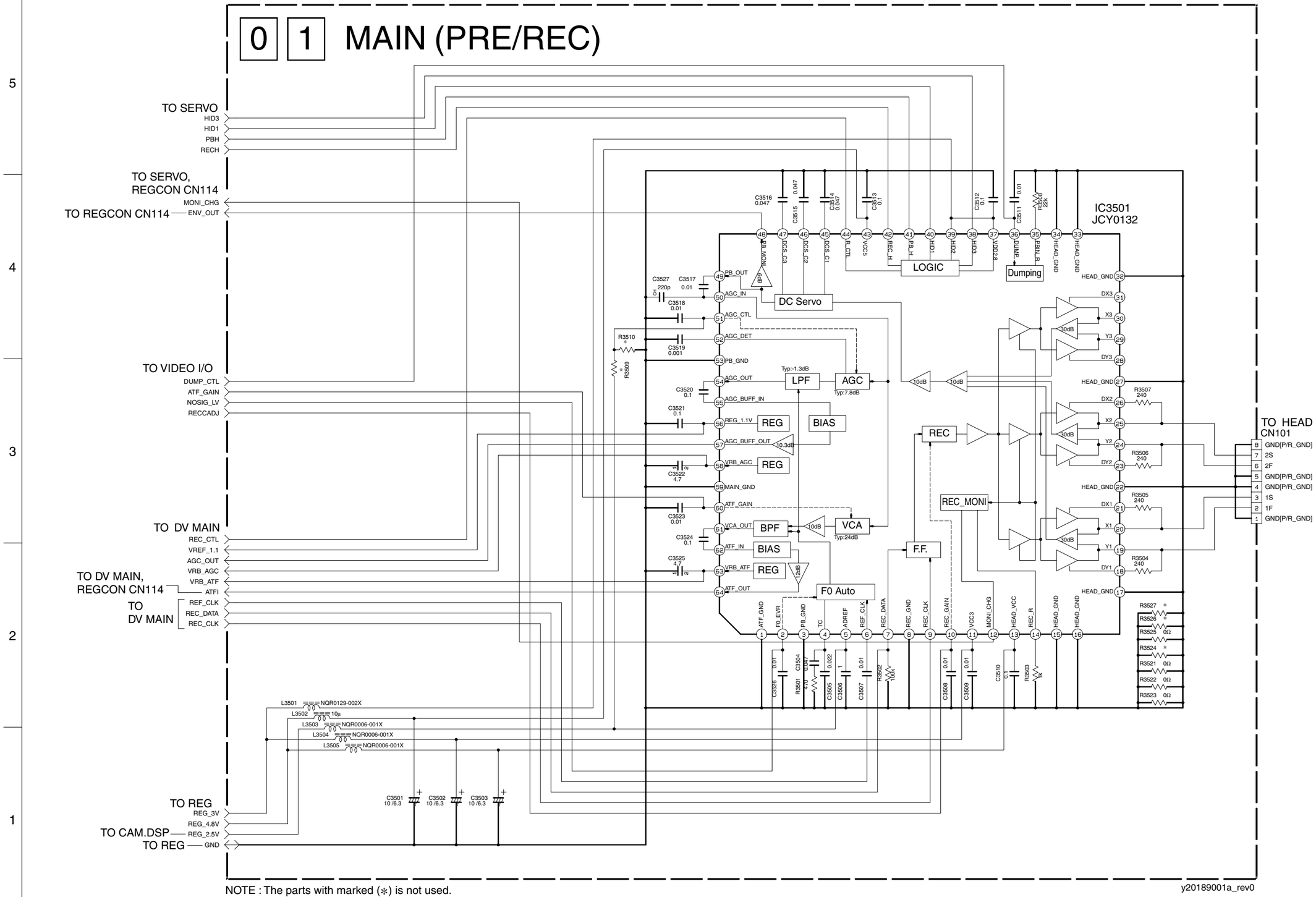
4.7 DV MAIN SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



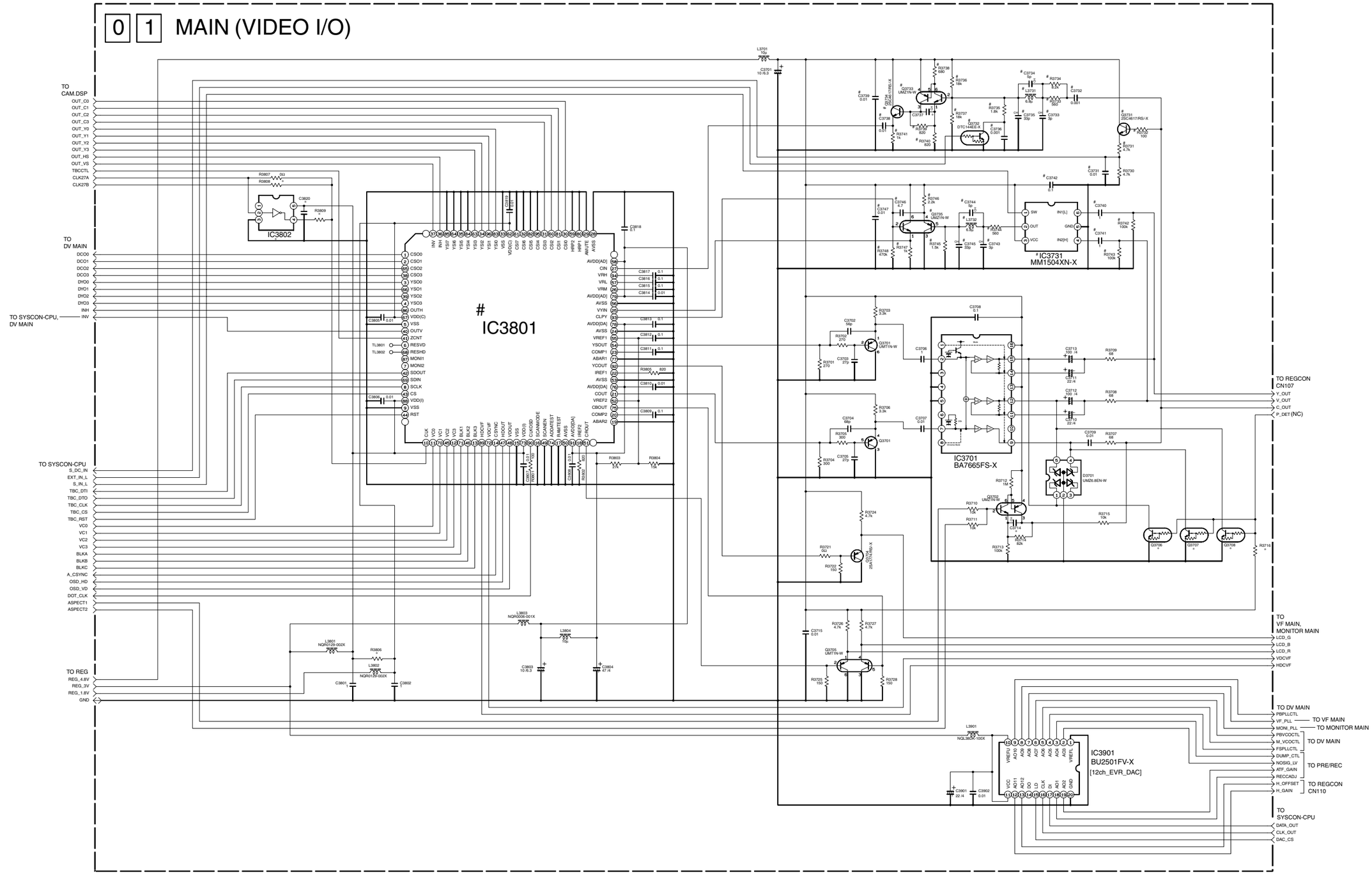
4.8 PRE/REC SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



4.9 VIDEO I/O SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



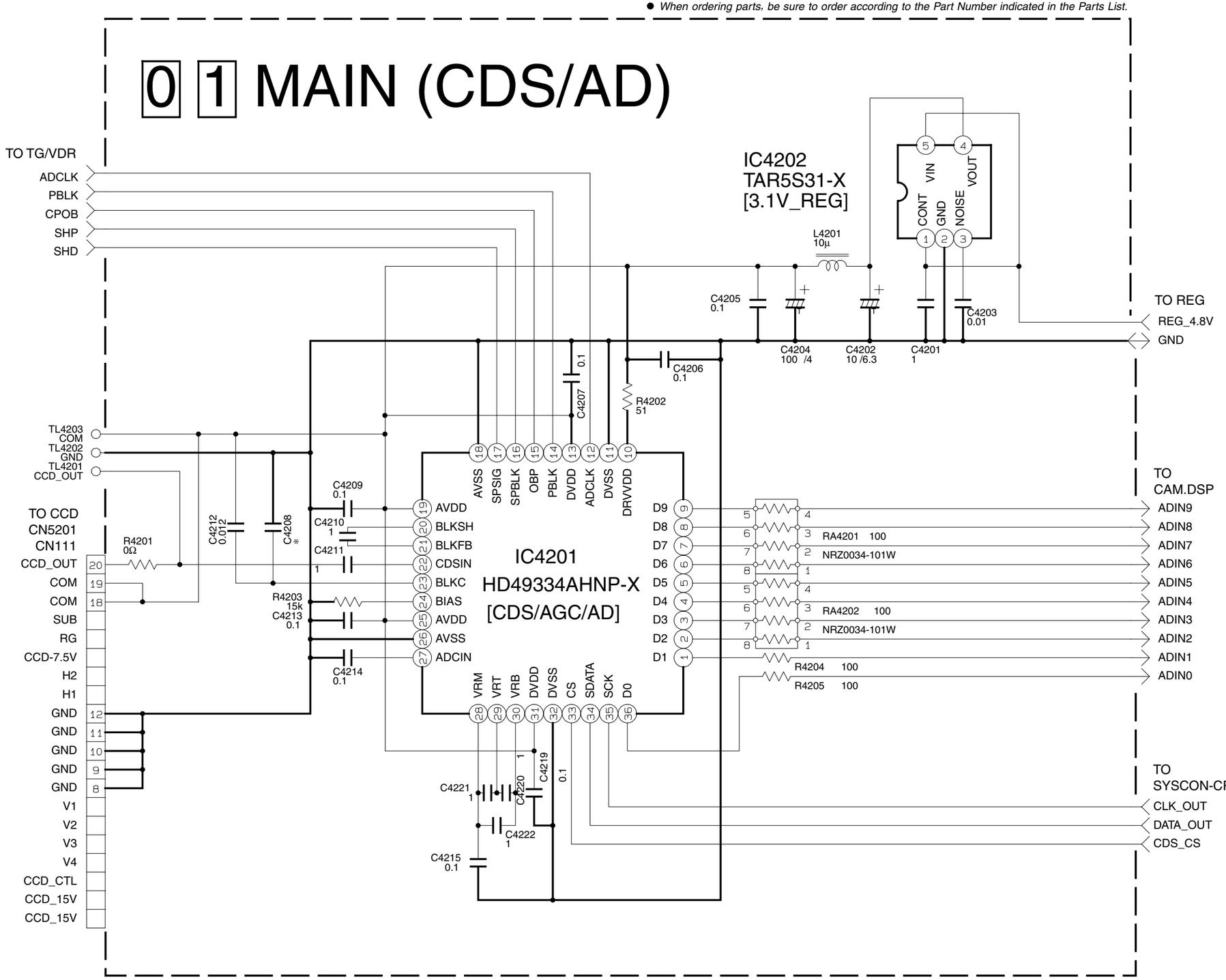
NOTE : The parts with marked (⁎) is not used.

Exchange parts list

	WITH ANALOG INPUT	WITHOUT ANALOG INPUT
IC3731	WARE	NO WARE
Q3731-Q3735	WARE	NO WARE
L3731,L3732	WARE	NO WARE
R3731-R3748	WARE	NO WARE
C3731-C3747	WARE	NO WARE
IC3801	JCP8045	JCP8055

4.10 CDS/AD SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

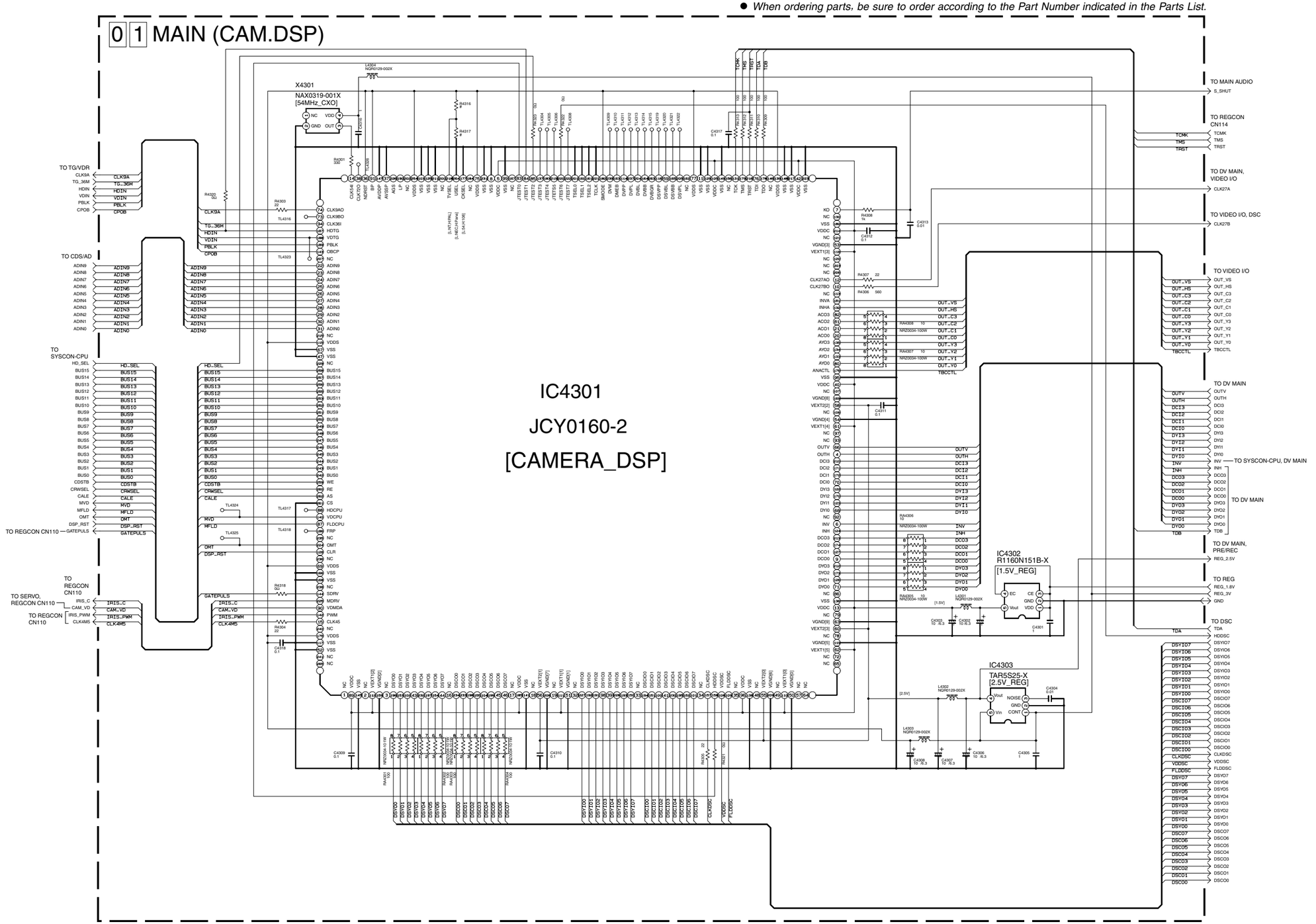


NOTE : The parts with marked (*) is not used.

y30175001a_rev0

4.11 CAM.DSP SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

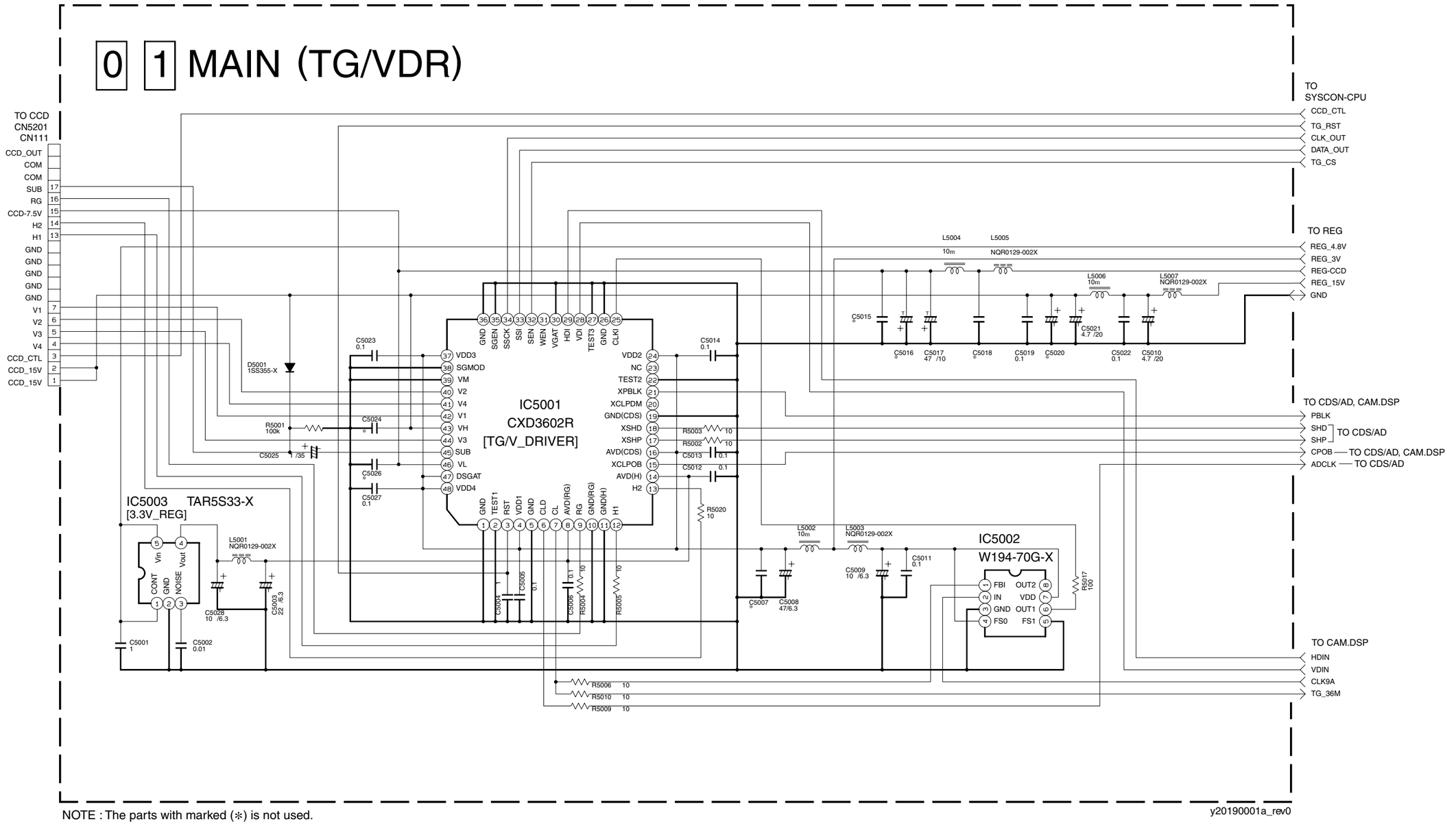


Exchange parts list

	R4316	R4317
NTSC	*	0R0
PAL	0R0	*

4.12 TG/VDR SCHEMATIC DIAGRAM

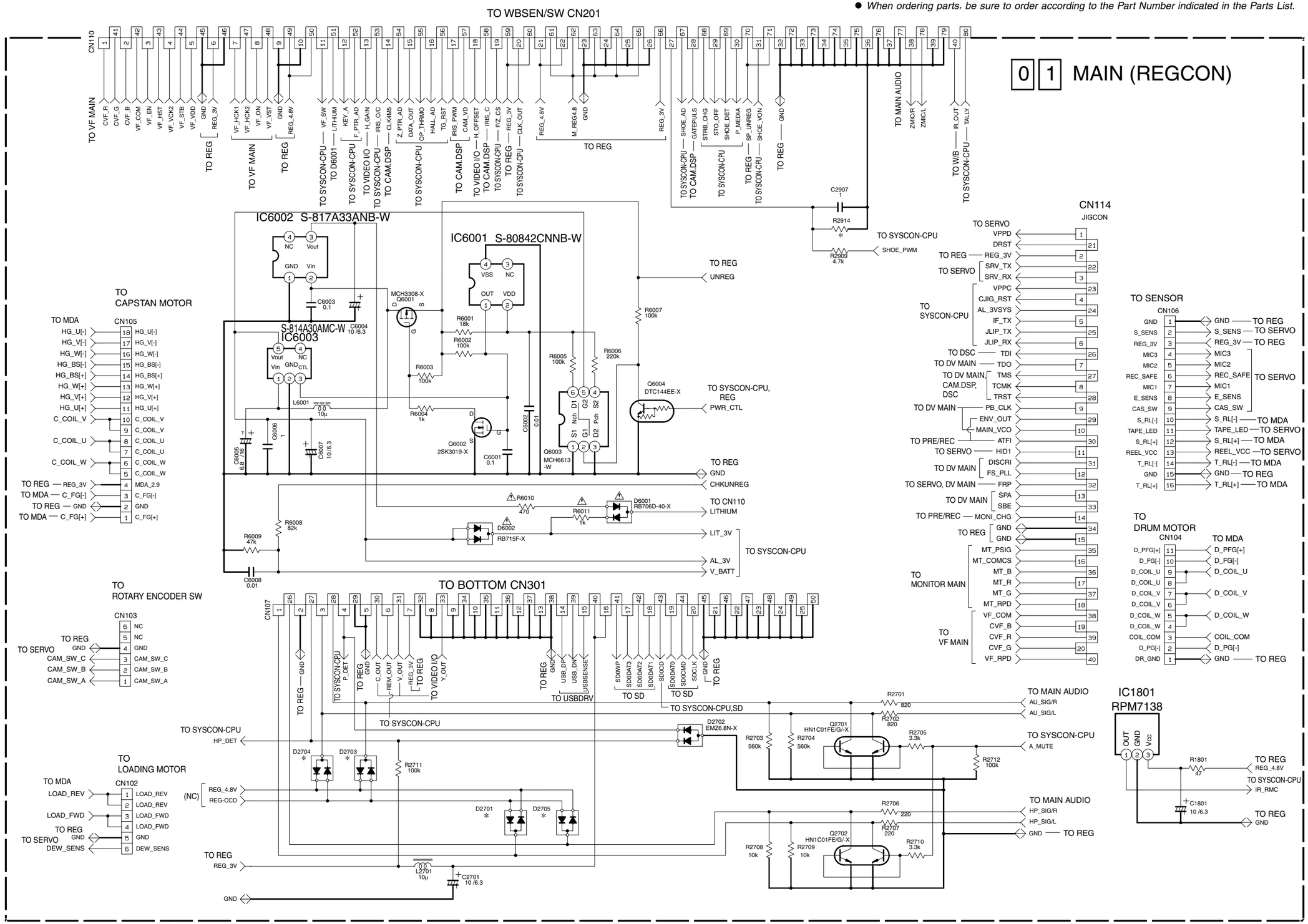
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



NOTE : The parts with marked (⁎) is not used.

4.13 REGCON SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

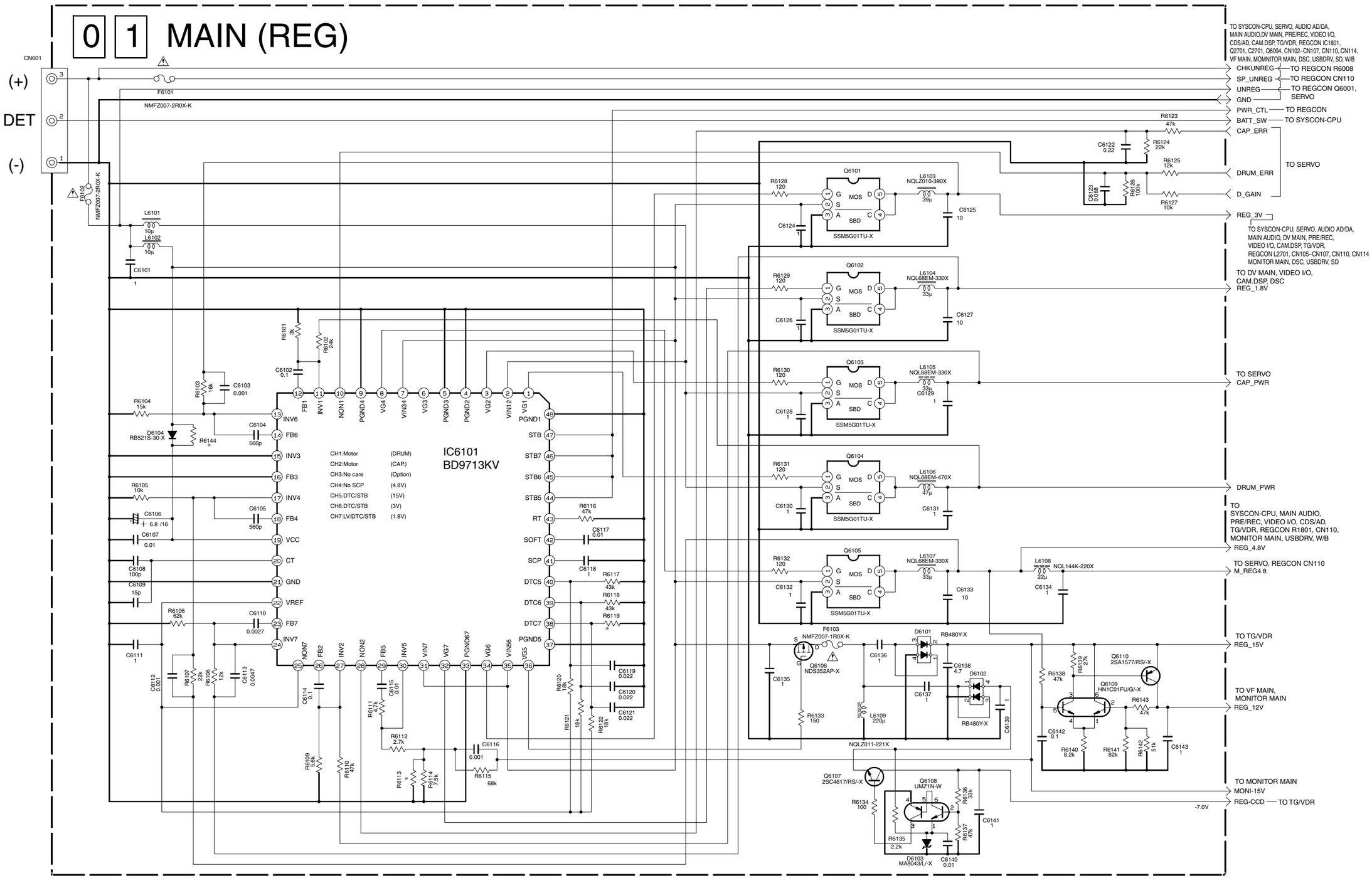


NOTE : The parts with marked (⁎) is not used.

y20192001a_rev0

4.14 REG SCHEMATIC DIAGRAM

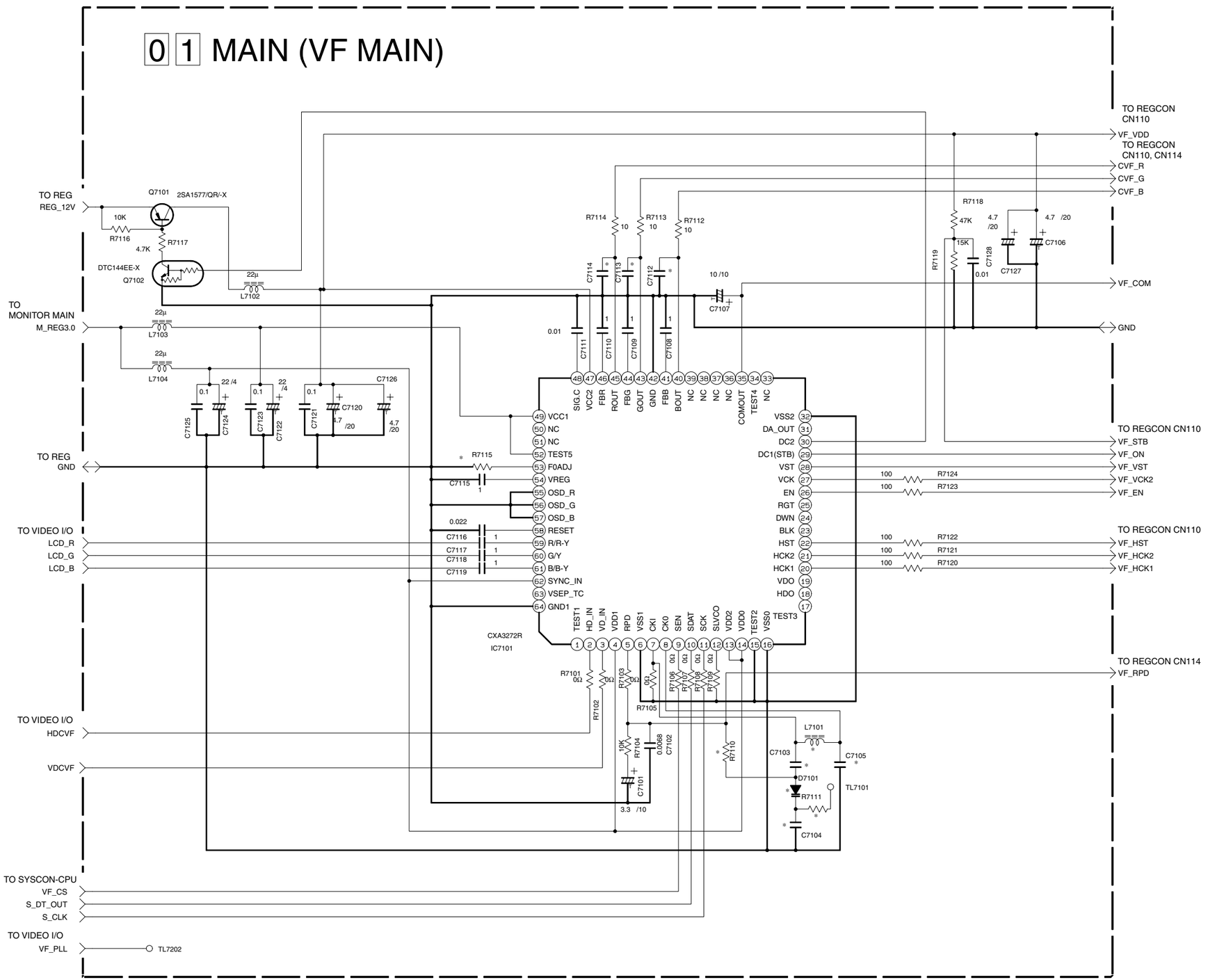
NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



NOTE : The parts with marked (⁎) is not used.

4.15 VF MAIN SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

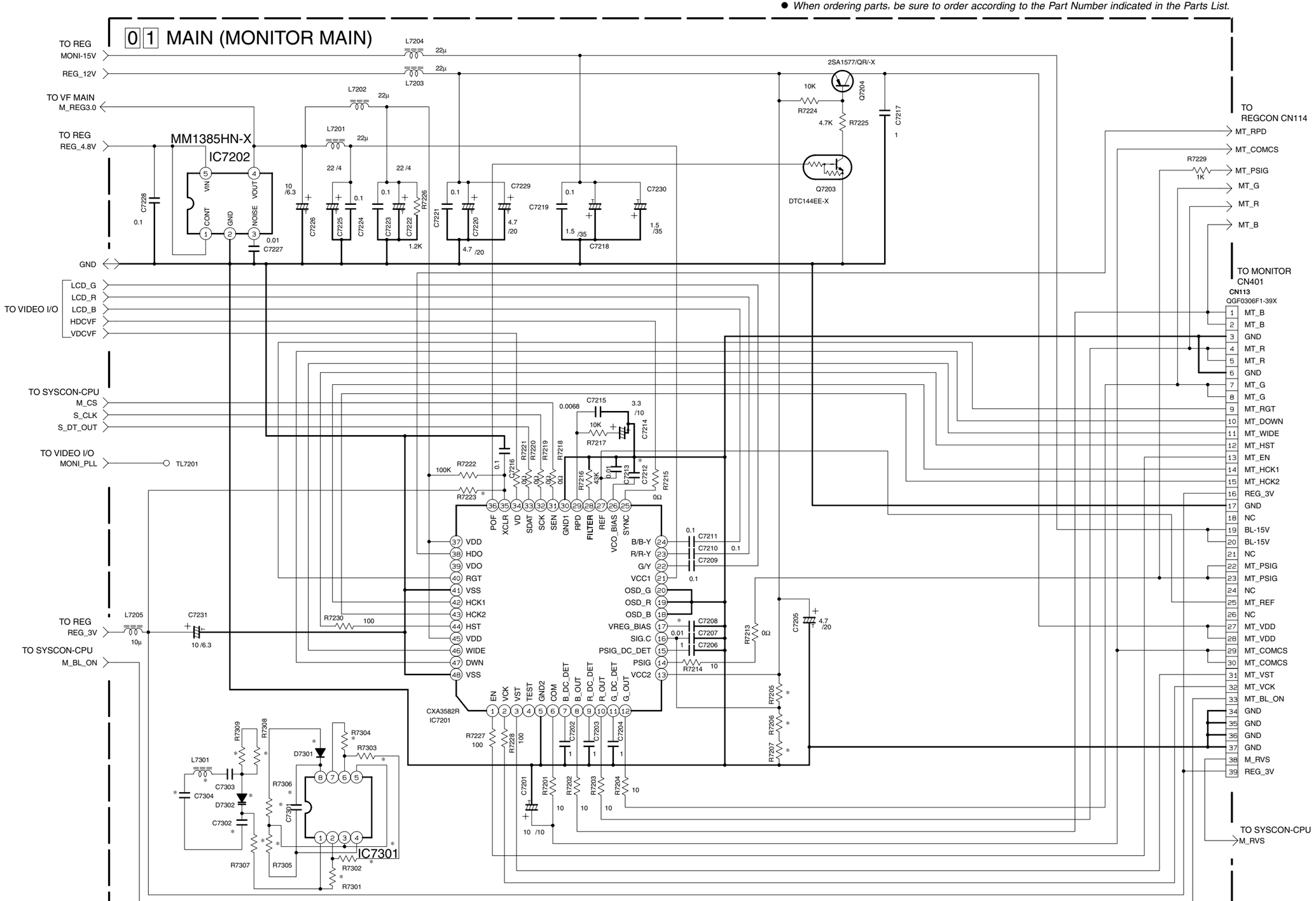


NOTE : The parts with marked (*) is not used.

y20195001a_rev0

4.16 MONITOR MAIN SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

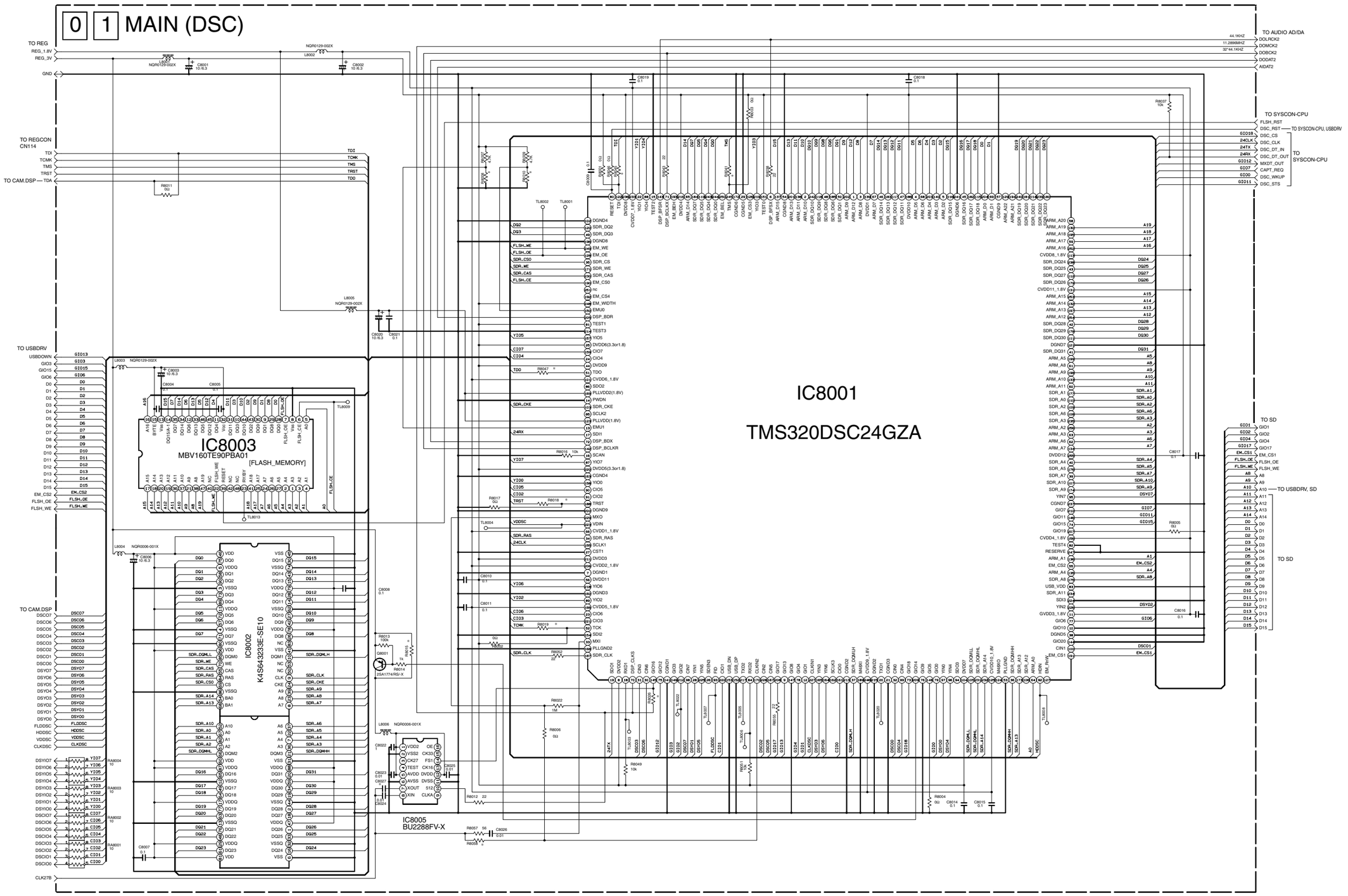


NOTE : The parts with marked (*) is not used.

y20194001a_rev0

4.17 DSC SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



4.18 USBDRV SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

0 1 MAIN [USBDRV]

TO REG
REG_4.8V
REG_3V
GND
L8301 NQR0129-002X
L8302 NQR0129-002X
C8301 10 /6.3
C8302 10 /6.3
C8307 0.1
C8306 0.1
C8308 *
C8309 *
X8301 NAX0552-001X
R8311 1M
TL8305
R8313 0Ω
R8312 *
R8301 *
R8302 22
R8303 22
TO REGCON CN107
USB_DP
USB_DN
C8303 *
C8304 *
TO REGCON CN107
USBSENSE
R8305 1M
C8305 0.1
R8310 15k
D8301 1SS355-X
IC8302 S-80842CNNB-W
NC VDD VSS OUT

IC8301 ISP1181ABS

D+	D-	VREG(3.3)	REGGND	VCC	XTAL1	XTAL2	GND	CLKOUT	RESET	CS	ALE												
48	47	46	45	44	43	42	41	40	39	38	37												
VBUS	GL	WAKEUP	SUSPEND	EOT	DREQ	DACK	SDWR	SDRD	INT	READY	BCNF0												
1	2	3	4	5	6	7	8	9	10	11	12												
BCNF1	DATA15	DATA14	DATA13	DATA12	DATA11	DATA10	GND	VREF(5.0)	DATA9	DATA8	DATA7												
13	14	15	16	17	18	19	20	21	22	23	24												
WR	RD	A0	AD	VCC(3.3)	GND	DATA1	DATA2	DATA3	DATA4	DATA5	DATA6												
36	35	34	33	32	31	30	29	28	27	26	25												

C8310 0.1
C8311 0.1
TL8303
TL8302
TL8304
R8309 10k
R8308 10k
R8307 10k
R8306 10k

GIO3
GIO15
GIO6
DSC_RST
EM_CS2
FLSH_WE
FLSH_OE
A10
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15

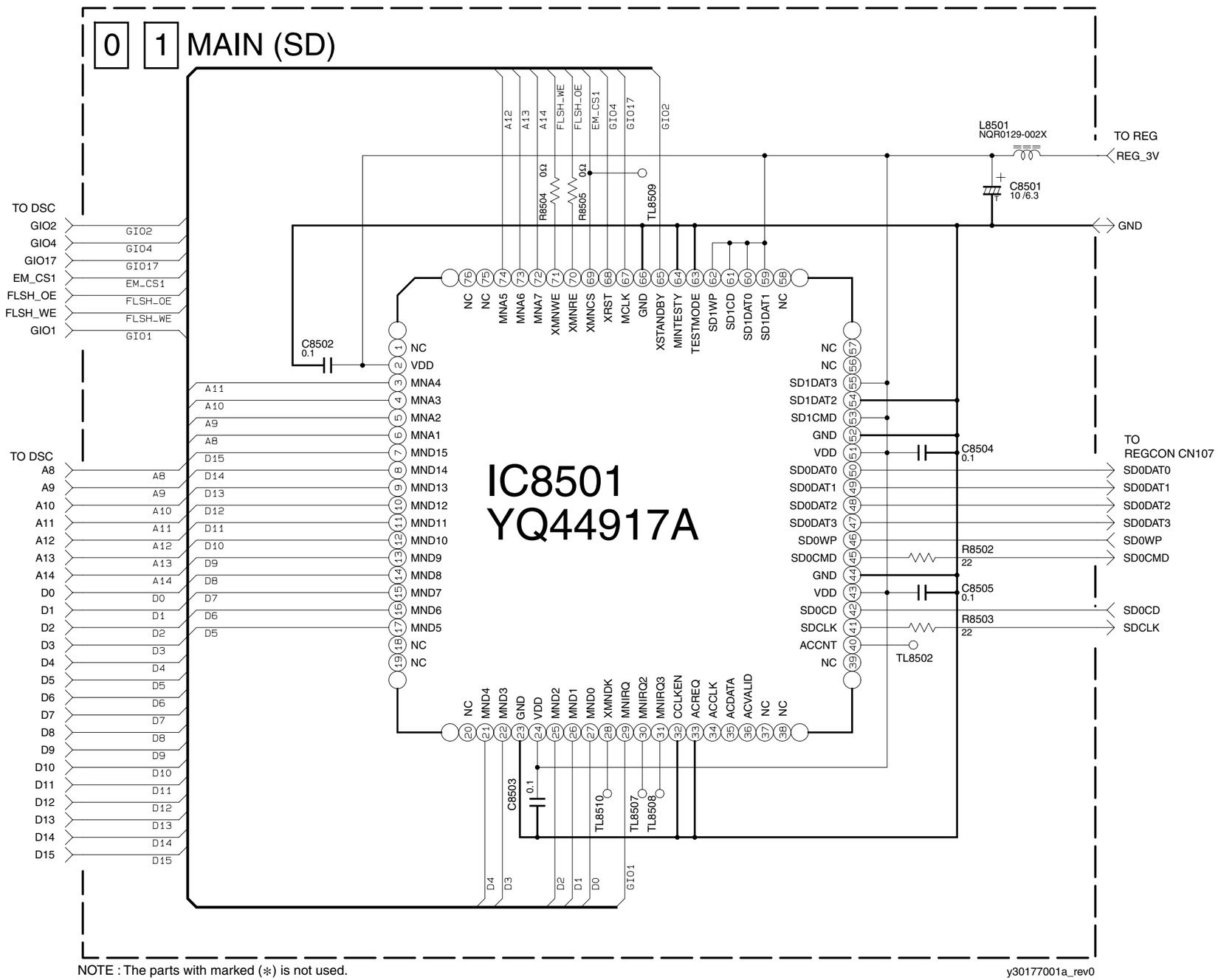
TO DSC
GIO3
GIO15
GIO6
DSC_RST
TO SYSCON-CPU, DSC
USBDOWN
TO DSC
EM_CS2
FLSH_OE
FLSH_WE
D0
D1
D2
D3
D4
D5
D6
D7
D8
D9
D10
D11
D12
D13
D14
D15
A10

NOTE : The parts with marked (*) is not used.

y30176001a_rev0

4.19 SD SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

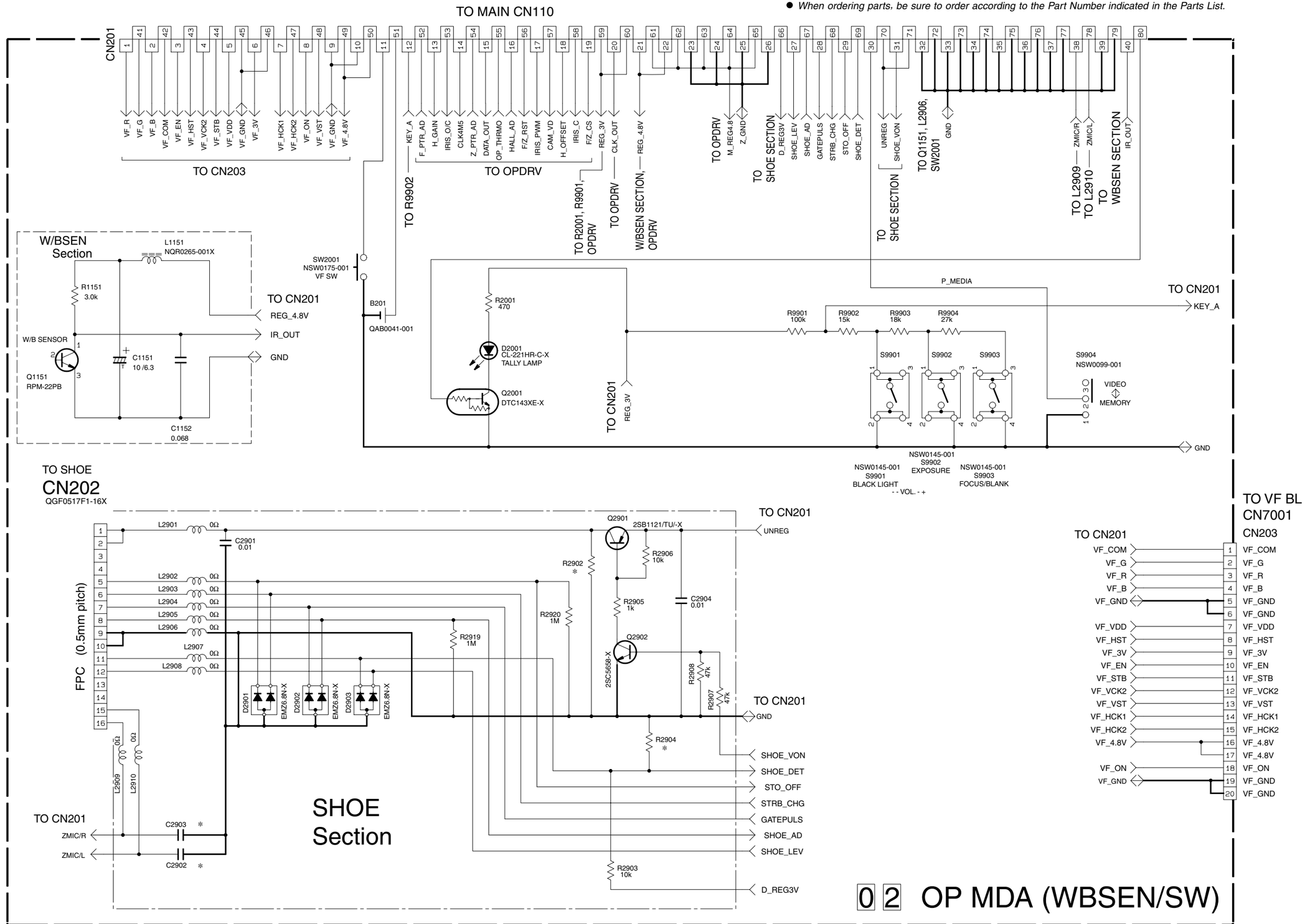


NOTE : The parts with marked (*) is not used.

y30177001a_rev0

4.20 WBSEN/SW SCHEMATIC DIAGRAM

NOTES :
- *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
- *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

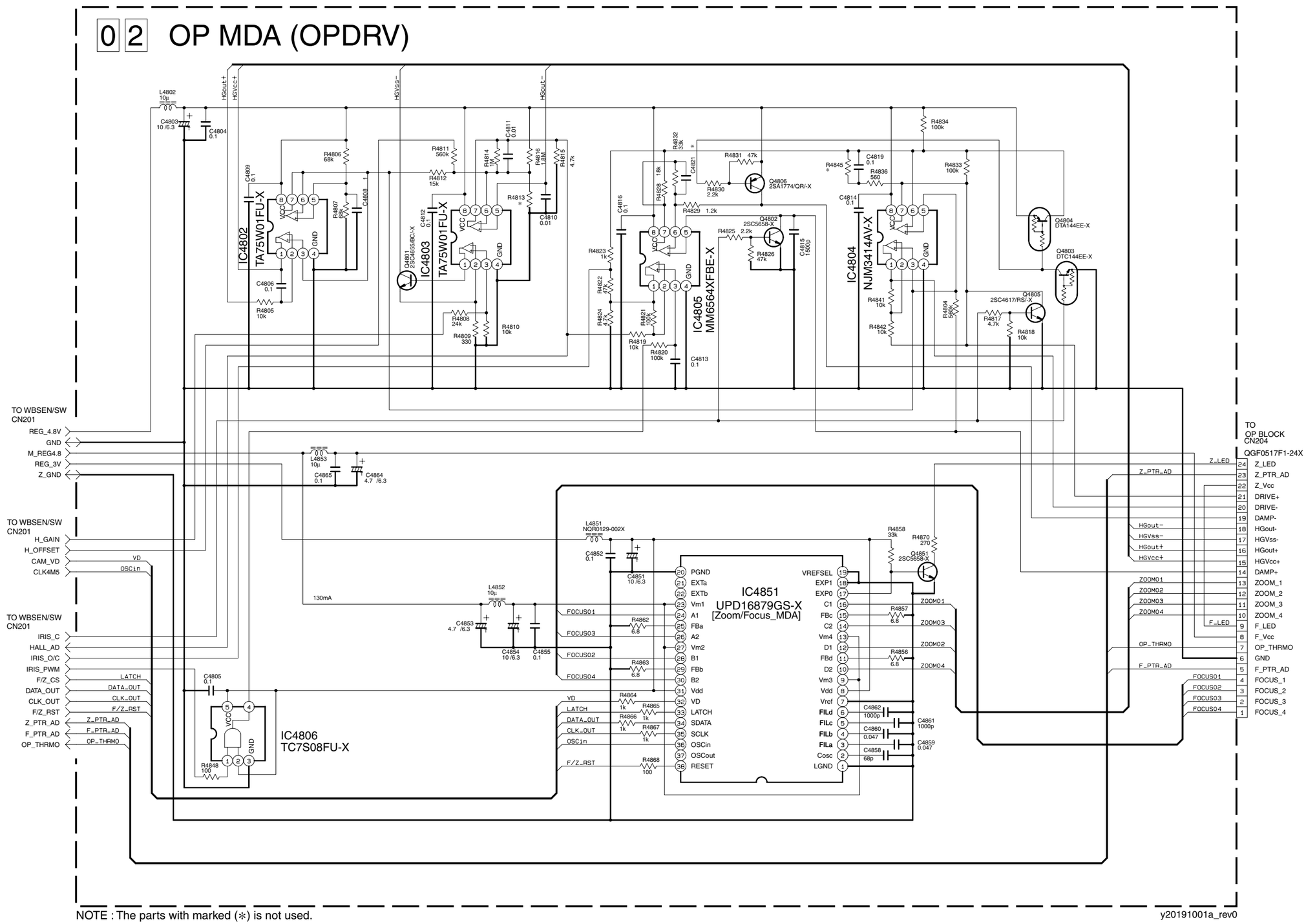


NOTE : The parts with marked (*) is not used.

y20187001a_rev0

4.21 OPDRV SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

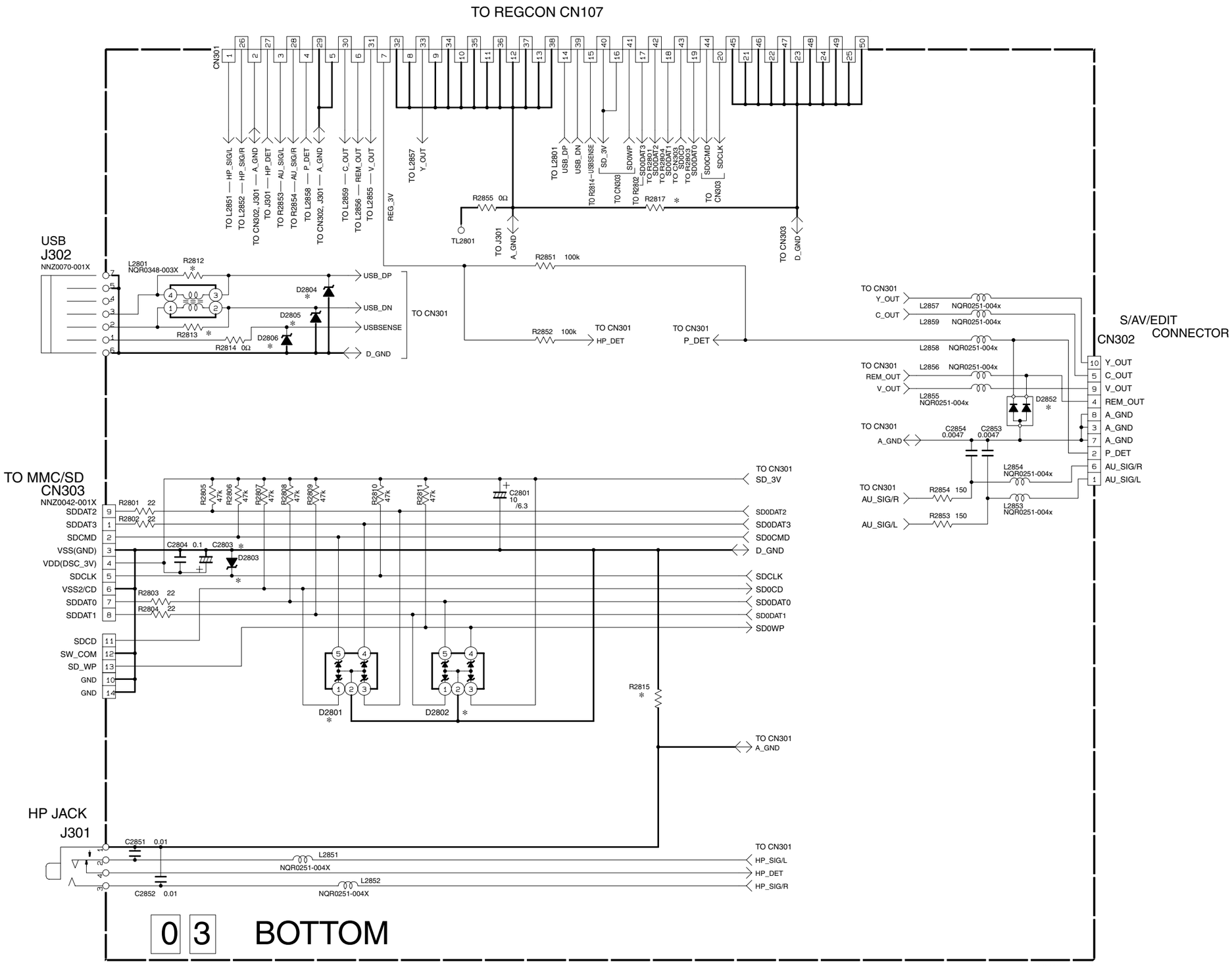


NOTE : The parts with marked (*) is not used.

y20191001a_rev0

4.22 BOTTOM SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

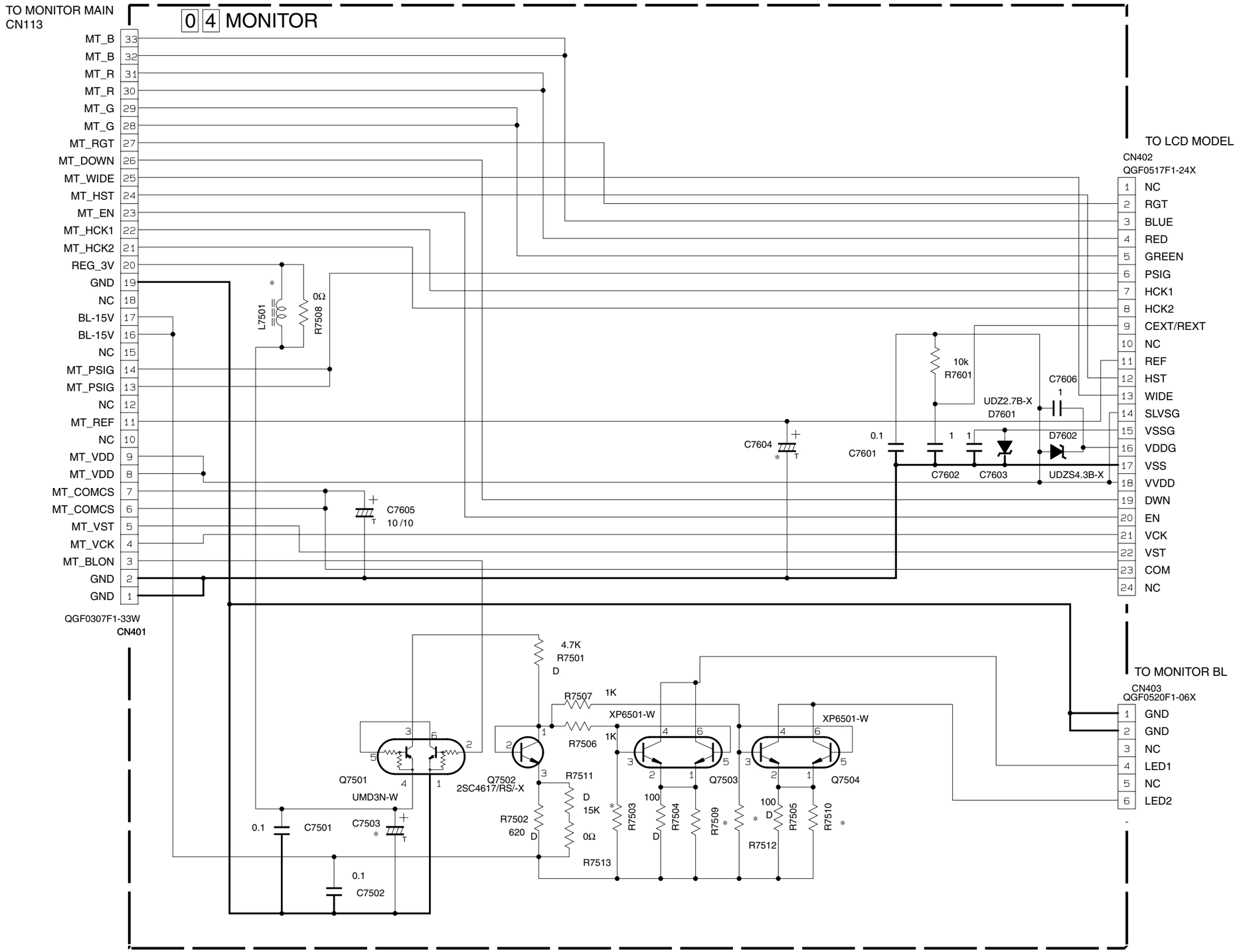


NOTE : The parts with marked (*) is not used.

y20188001a_rev0

4.23 MONITOR SCHEMATIC DIAGRAM

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*



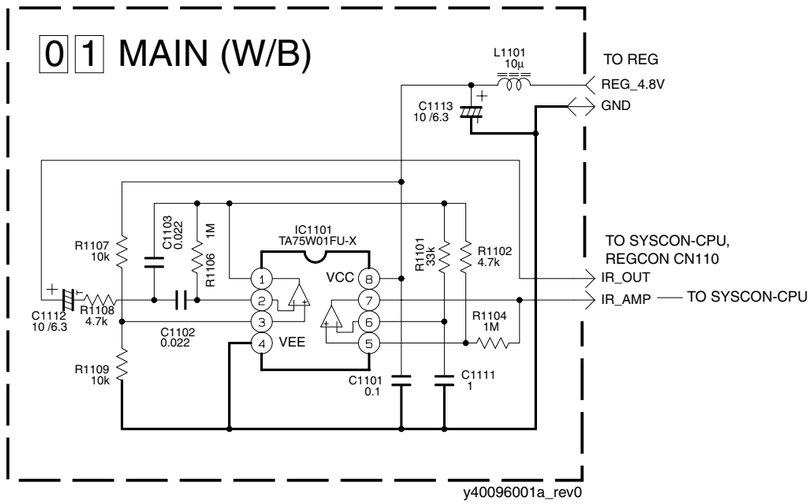
NOTE : The parts with marked (*) is not used.

y30178001a_rev0

4.24 W/B AND CCD SCHEMATIC DIAGRAMS

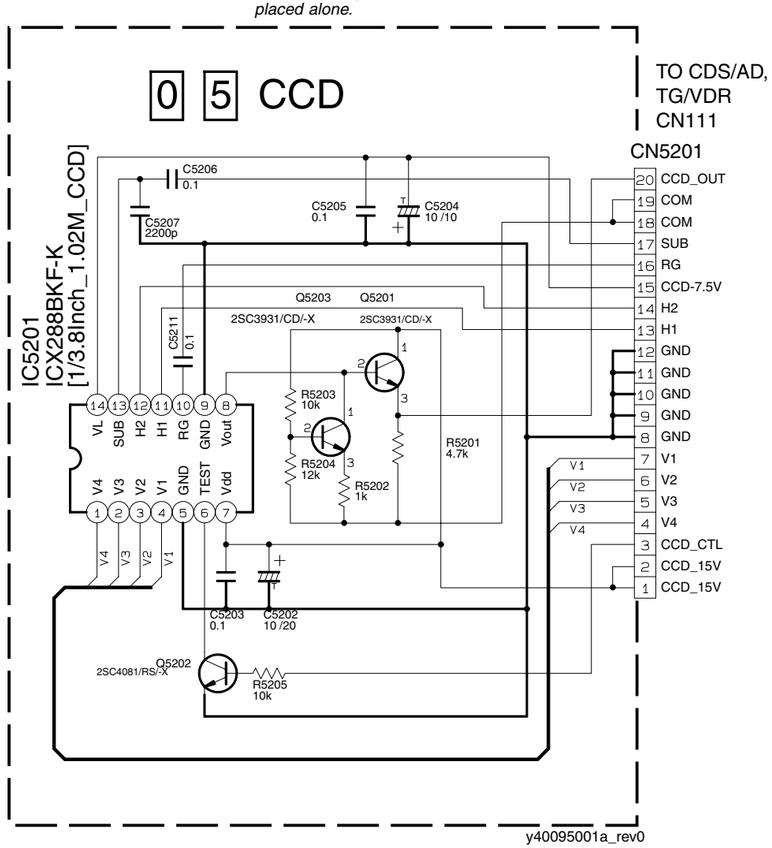
NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

- W/B -



NOTE : ● *IC5201 is incorporated in the CCD base assembly. When IC5201 needs replacement, replace the CCD base assembly in whole because it cannot be replaced alone.*

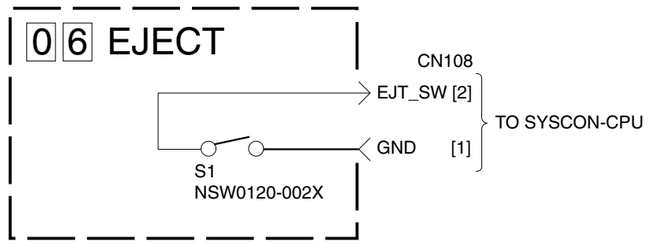
- CCD -



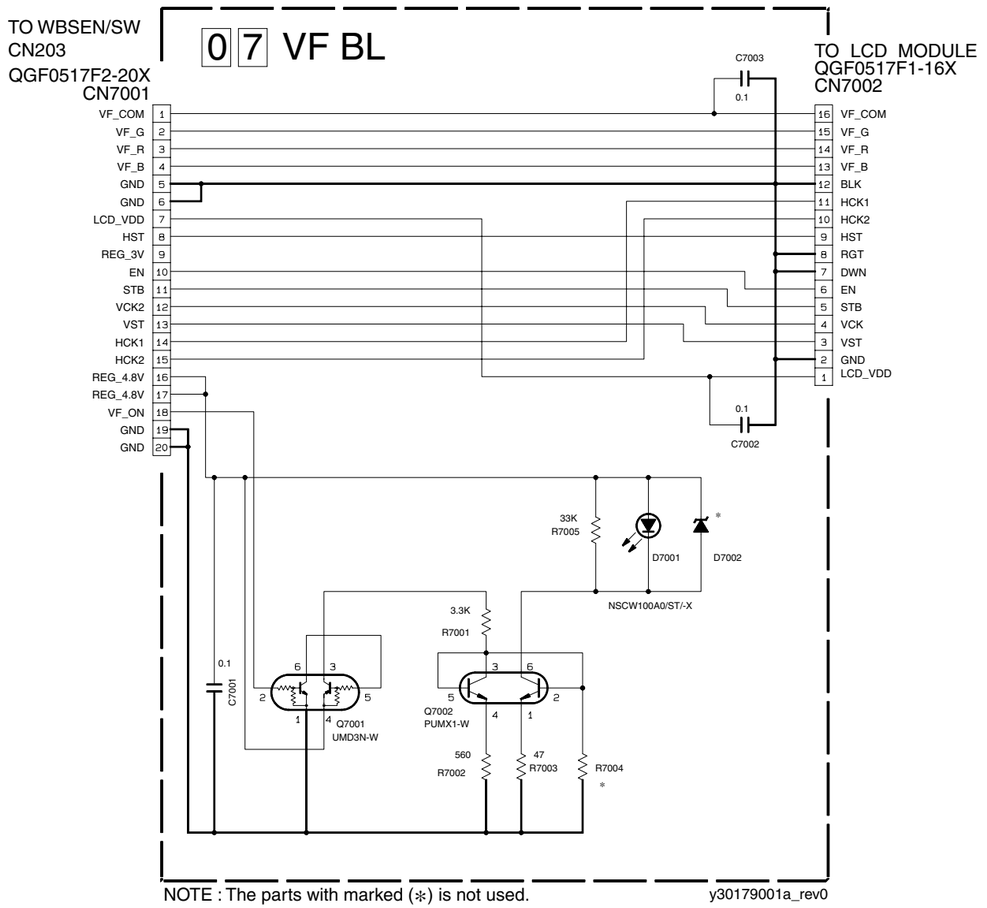
4.25 EJECT AND VF BL SCHEMATIC DIAGRAMS

NOTES : ● *For the destination of each signal and further line connections that are cut off from this diagram, refer to "4.1 BOARD INTERCONNECTIONS".*
● *When ordering parts, be sure to order according to the Part Number indicated in the Parts List.*

- EJECT -

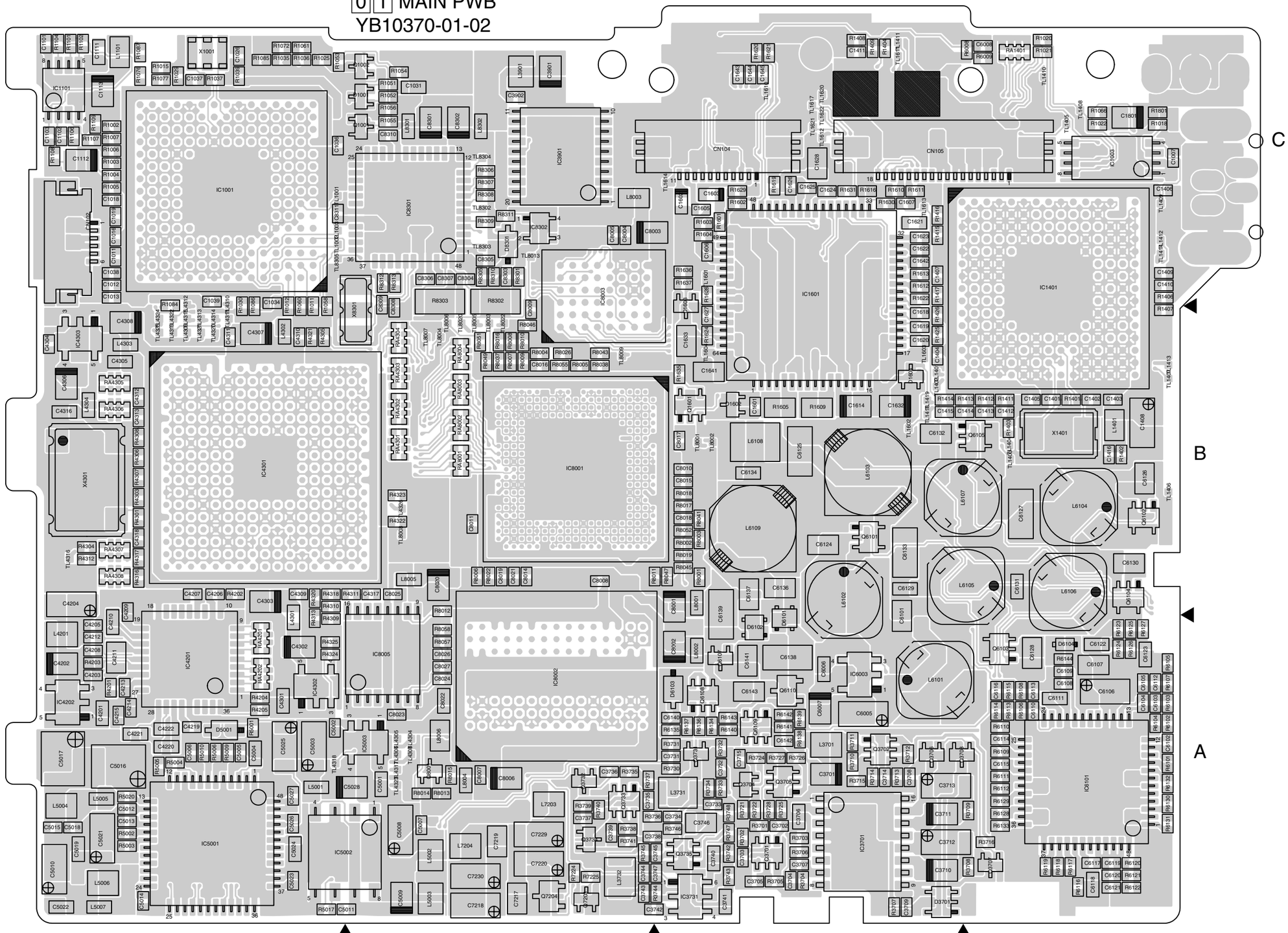


- VF BL -



FOIL SIDE(B)

0 1 MAIN PWB
YB10370-01-02



COMPONENT PARTS LOCATION GUIDE <MAIN/YB10370-01-02> (1/2)

REF.NO.	LOCATION
CAPACITOR	
C1003	A C 1C
C1004	A C 3A
C1006	A C 3B
C1007	B C 4C
C1011	B C 1C
C1012	B C 1C
C1013	B C 1C
C1015	A C 1C
C1016	B C 1C
C1017	A C 1C
C1018	B C 1C
C1019	B C 1C
C1023	A C 3B
C1026	B C 1C
C1027	A C 1C
C1028	A C 1C
C1029	A C 1C
C1030	A C 1C
C1031	B C 2C
C1034	B C 1C
C1036	B C 1C
C1037	B C 1C
C1038	B C 1C
C1039	B C 1C
C1101	B C 1C
C1102	B C 1C
C1103	B C 1C
C1111	B C 1C
C1112	B C 1C
C1113	B C 1C
C1401	B C 4B
C1402	B C 4B
C1403	B C 4B
C1404	B C 3B
C1405	B C 4B
C1406	B C 4C
C1407	B C 3C
C1408	B C 4B
C1409	B C 4C
C1410	B C 4C
C1411	B C 3C
C1412	B C 4B
C1413	B C 4B
C1414	B C 4B
C1415	B C 3B
C1416	B C 4B
C1601	B C 3B
C1602	B C 3C
C1603	B C 3C
C1605	B C 3C
C1606	B C 3C
C1607	B C 3C
C1614	B C 3B
C1618	B C 3B
C1619	B C 3B
C1620	B C 3B
C1621	B C 3C
C1622	B C 3C
C1623	B C 3C
C1624	B C 3C
C1625	B C 3C
C1626	B C 3C
C1627	B C 3B
C1628	B C 3C
C1632	B C 3B
C1633	B C 3B
C1641	B C 3B
C1642	B C 3C
C1643	B C 3C
C1644	B C 3C
C1645	B C 3C
C1701	A C 4C
C1702	A C 4C
C1801	B C 4C
C2101	A C 2B
C2102	A C 2B
C2103	A C 2B
C2104	A C 2B
C2105	A C 2B
C2106	A C 2B
C2107	A C 2B
C2108	A C 2B
C2109	A C 2B
C2110	A C 2B
C2111	A C 2B
C2112	A C 2B
C2113	A C 2B
C2114	A C 2B
C2201	A C 1B
C2202	A C 1B
C2203	A C 1B
C2204	A C 1B
C2205	A C 1B
C2206	A C 1B
C2207	A C 1B
C2208	A C 2B
C2209	A C 2C
C2210	A C 2C
C2211	A C 2B
C2212	A C 2B
C2213	A C 2C
C2214	A C 2B
C2215	A C 2B
C2216	A C 2B
C2217	A C 1C
C2218	A C 1C
C2219	A C 1C
C2220	A C 1C
C2221	A C 1C
C2222	A C 1C
C2223	A C 1B
C2224	A C 2B
C2225	A C 2B
C2226	A C 1B
C2227	A C 1B
C2401	A C 1B
C2402	A C 1B
C2403	A C 1C
C2404	A C 1B
C2405	A C 1B
C2406	A C 2C
C2601	A C 1C
C2602	A C 1C
C2603	A C 1C
C2604	A C 1B
C2605	A C 1C
C2606	A C 1B
C2607	A C 1C
C2608	A C 1B
C2609	A C 1C
C2610	A C 1B
C2611	A C 1C
C2612	A C 1B
C2613	A C 1C
C2614	A C 1B
C2615	A C 1C
C2701	A C 3A
C2907	A C 1B
C3001	A C 4C
C3002	A C 4B
C3003	A C 3B
C3004	A C 3C
C3005	A C 4B
C3006	A C 4B
C3007	A C 3B
C3008	A C 4B
C3010	A C 3C
C3011	A C 3C
C3012	A C 3C
C3013	A C 3C
C3015	A C 3C
C3016	A C 3C
C3017	A C 3C
C3018	A C 3C
C3019	A C 3B
C3020	A C 3C
C3021	A C 3C
C3022	A C 3B
C3023	A C 3B
C3024	A C 3B
C3025	A C 3B
C3026	A C 3C
C3027	A C 3C
C3028	A C 4C
C3029	A C 3C
C3030	A C 3B
C3031	A C 3B
C3032	A C 3B
C3033	A C 3B
C3034	A C 3B
C3035	A C 3B
C3036	A C 3B
C3037	A C 3B
C3038	A C 3B
C3039	A C 3C
C3040	A C 3C
C3041	A C 3C
C3042	A C 3B
C3043	A C 3C
C3044	A C 3C
C3045	A C 3C
C3046	A C 3C
C3047	A C 3B
C3048	A C 3C
C3049	A C 3C
C3050	A C 3B
C3051	A C 4C
C3052	A C 3C
C3053	A C 3C
C3054	A C 3C
C3055	A C 4B
C3056	A C 4C
C3057	A C 4C
C3058	A C 4C
C3059	A C 3C
C3060	A C 3B
C3061	A C 4C
C3062	A C 3C
C3063	A C 3C
C3064	A C 3B
C3501	A C 2B
C3502	A C 2B
C3503	A C 2C
C3504	A C 2C
C3505	A C 2C
C3506	A C 2C
C3507	A C 2C
C3508	A C 2C
C3509	A C 2C
C3510	A C 2C
C3511	A C 2C
C3512	A C 2C
C3513	A C 2C
C3514	A C 2C
C3515	A C 2C
C3516	A C 2C
C3517	A C 2B
C3518	A C 2B
C3519	A C 2B
C3520	A C 2B
C3521	A C 2B
C3522	A C 2B
C3523	A C 2B
C3524	A C 2B
C3525	A C 2B
C3526	A C 2C
C3527	A C 2B
C3701	B C 3A
C3702	B C 3A
C3703	B C 3A
C3704	B C 3A
C3705	B C 3A
C3706	B C 3A
C3707	B C 3A
C3708	B C 3A
C3709	B C 3A
C3710	B C 3A
C3711	B C 3A
C3712	B C 3A
C3713	B C 3A
C3714	B C 3A
C3715	B C 3A
C3731	B C 3A
C3732	B C 3A
C3733	B C 3A
C3734	B C 3A
C3735	B C 2A
C3736	B C 2A
C3737	B C 2A
C3738	B C 2A
C3739	B C 2A
C3740	B C 3A
C3741	B C 3A
C3742	B C 2A
C3743	B C 2A
C3744	B C 2A
C3745	B C 3A
C3746	B C 3A
C3747	B C 3A
C3801	A C 3A
C3802	A C 3A
C3803	A C 2A
C3804	A C 3A
C3805	A C 3A
C3806	A C 3A
C3807	A C 3A
C3808	A C 3A
C3809	A C 3A
C3810	A C 3A
C3811	A C 3A
C3812	A C 3A
C3813	A C 3A
C3814	A C 3A
C3815	A C 3A
C3816	A C 3A
C3817	A C 3A
C3818	A C 3A
C3819	A C 3A
C3820	A C 3A
C3901	B C 2C
C3902	B C 2C
C4201	B C 1A
C4202	B C 1A
C4203	B C 1A
C4204	B C 1B
C4205	B C 1A
C4206	B C 1B
C4207	B C 1B
C4208	B C 1A
C4209	B C 1B
C4210	B C 1A
C4211	B C 1A
C4212	B C 1A
C4213	B C 1A
C4214	B C 1A
C4215	B C 1A
C4219	B C 1A
C4220	B C 1A
C4221	B C 1A
C4222	B C 1A
C4301	B C 1A
C4302	B C 1A
C4303	B C 1B
C4304	B C 1B
C4305	B C 1B
C4306	B C 1B
C4307	B C 1B
C4308	B C 1B
C4309	B C 1B
C4310	B C 1B
C4311	B C 1B
C4312	B C 1B
C4313	B C 1B
C4316	B C 1B
C4317	B C 2B
C4318	B C 1B
C5001	B C 2A
C5002	B C 1A
C5003	B C 1A
C5004	B C 1A
C5005	B C 1A
C5006	B C 1A
C5007	B C 2A
C5008	B C 2A
C5009	B C 2A
C5010	B C 1A
C5011	B C 2A
C5012	B C 1A
C5013	B C 1A
C5014	B C 1A
C5015	B C 1A
C5016	B C 1A
C5017	B C 1A
C5018	B C 1A
C5019	B C 1A
C5020	A C 1A
C5021	B C 1A
C5022	B C 1A
C5023	B C 1A
C5024	B C 1A
C5025	B C 1A
C5026	B C 1A
C5027	B C 1A
C5028	B C 2A
C6001	A C 3B
C6002	A C 3B
C6003	A C 3A
C6004	A C 4A
C6005	B C 3A
C6006	B C 3A
C6007	B C 3A
C6008	B C 4C
C6101	B C 3A
C6102	B C 4A
C6103	B C 4A
C6104	B C 4A
C6105	B C 4A
C6106	B C 4A
C6107	B C 4A
C6108	B C 4A
C6109	B C 4A
C6110	B C 4A
C6111	B C 4A
C6112	B C 4A
C6113	B C 4A
C6114	B C 4A
C6115	B C 4A
C6116	B C 4A
C6117	B C 4A
C6118	B C 4A
C6119	B C 4A
C6120	B C 4A
C6121	B C 4A
C6122	B C 4A
C6123	B C 4A
C6124	B C 3B
C6125	B C 3B
C6126	B C 4B
C6127	B C 4B
C6128	B C 4A
C6129	B C 3B
C6130	B C 4B
C6131	B C 4B
C6132	B C 3B
C6133	B C 3B
C6134	B C 3B
C6135	A C 3A
C6136	B C 3B
C6137	B C 3B
C6138	B C 3A
C6139	B C 3A
C6140	B C 3A
C6141	B C 3A
C6142	B C 3A
C6143	B C 3A
C7101	A C 1A
C7102	A C 1A
C7103	A C 2A
C7104	A C 1A
C7105	A C 2A
C7106	A C 2B
C7107	A C 1B
C7108	A C 1B
C7109	A C 1B
C7110	A C 1B
C7111	A C 1B
C7112	A C 1B
C7113	A C 1B
C7114	A C 1B
C7115	A C 2B
C7116	A C 2A
C7117	A C 2A
C7118	A C 2A
C7119	A C 2A
C7120	A C 2B
C7121	A C 2B
C7122	A C 2B
C7123	A C 2B
C7124	A C 1A
C7125	A C 1A
C7126	A C 2B
C7127	A C 2B
C7128	A C 1A
C7201	A C 2A
C7202	A C 2A
C7203	A C 2A
C7204	A C 2A
C7205	A C 2A
C7206	A C 2A
C7207	A C 2A
C7208	A C 2A
C7209	A C 2B
C7210	A C 2B
C7211	A C 2B
C7212	A C 2B
C7213	A C 2B
C7214	A C 2B
C7215	A C 2B
C7216	A C 2B
C7217	B C 2A
C7218	B C 2A
C7219	B C 2A
C7220	B C 2A
C7221	A C 2A
C7222	A C 3A
C7223	A C 3B
C7224	A C 2B
C7225	A C 2A
C7226	A C 3B
C7227	A C 3B
C7228	A C 3B
C7229	B C 2A
C7230	B C 2A
C7231	A C 2A
C7301	A C 2A
C7302	A C 2A
C7303	A C 2A
C7304	A C 2A
C8001	B C 3B
C8002	B C 3A
C8003	B C 2C
C8004	B C 2C
C8005	B C 2C
C8006	B C 2A
C8007	B C 2A
C8008	B C 2B
C8009	B C 2B
C8010	B C 3B
C8011	B C 2B
C8014	B C 2B
C8015	B C 3B
C8016	B C 2B
C8017	B C 3B
C8018	B C 3B
C8019	B C 2B
C8020	B C 2B
C8021	B C 2B
C8022	B C 2A
C8023	B C 2A
C8024	B C 2A
C8025	B C 2B
C8026	B C 2A
C8027	B C 2A
C8301	B C 2C
C8302	B C 2C
C8303	B C 2C
C8304	B C 2C
C8305	B C 2C
C8306	B C 2C
C8307	B C 2C
C8308	B C 2B
C8309	B C 2C
C8310	B C 2C
C8311	B C 1C
C8501	A C 4A
C8502	A C 4B
C8503	A C 4B
C8504	A C 4A
C8505	A C 4A
CONNECTOR	
CN101	A C 2C
CN102	B C 1C
CN103	A C 1C
CN104	B C 3C
CN105	B C 4C
CN106	A C 3B
CN107	A C 4A
CN108	A C 4C
CN109	A C 1C
CN110	A C 1B
CN111	A C 1A
CN112	A C 1A
CN113	A C 2A
CN114	A C 3A
CN115	A C 1C
CN601	A D 3C
DIODE	
D1001	B C 2C
D1002	A C 4A
D1602	B C 3B
D1603	B C 3B
D1604	B C 3B
D2201	A C 1B
D2202	A C 2C
D2203	A C 1C
D2601	A C 1C
D2602	A C 1C
D2701	A C 4A
D2702	A C 3A
D2703	A C 4A
D2704	A C 4A
D2705	A C 4A
D3001	A C 3B
D3002	A C 3B
D3003	A C 3B
D3004	A C 4C
D3701	B C 3A
D5001	B C 1A
D6001	A C 3A
D6002	A C 3A
D6101	B C 3A
D6102	B C 3A
D6103	B C 3A
D6104	B C 4A
D7101	A C 1A
D7301	A C 1A
D7302	A C 2A
D8301	B C 2C
FUSE	
F6101	A C 4C
F6102	A C 4B
F6103	A C 3B
IC	
IC1001	B C 1C
IC1002	A C 3B
IC1003	B C 4C
IC1006	A C 3B
IC1007	A C 4A
IC1008	A C 4A
IC1101	B C 1C
IC1401	B C 4C
IC1601	B C 3C
IC1701	A C 4C
IC1702	A C 4C
IC1801	A D 4C
IC2101	A C 2B
IC2201	A C 1B
IC3001	A C 3C
IC3002	A C 3C
IC3003	A C 4B
IC3004	A C 4B
IC3005	A C 4C
IC3501	A C 2C
IC3701	B C 3A
IC3731	B C 3A
IC3801	A C 3A
IC3802	A C 3A
IC3901	B C 2C
IC4201	B C 1A
IC4202	B C 1A
IC4301	B C 1B
IC4302	B C 1A
IC4303	B C 1B
IC5001	B C 1A
IC5002	B C 1A
IC5003	B C 2A
IC6001	A C 3B
IC6002	A C 4A
IC6003	B C 3A
IC6101	B C 4A
IC7101	A C 1B
IC7201	A C 2A
IC7202	A C 3B
IC7301	A C 2A
IC8001	B C 2B
IC8002	B C 2A
IC8003	B C 2C
IC8005	B C 2A
IC8301	B C 2C
IC8302	B C 2C
IC8501	A C 4B
COIL	
L1002	A C 3A
L1101	B C 1C
L1401	B C 4B
L2101	A C 2B
L2401	A C 1B
L2402	A C 1C
L2601	A C 1C
L2602	A C 1C
L2603	A C 1C
L2701	A C 3A
L3001	A C 4C
L3002	A C 3B
L3003	A C 3C
L3004	A C 4B
L3005	A C 3B
L3006	A C 4B
L3007	A C 3B
L3008	A C 3B
L3009	A C 3B
L3010	A C 4C
L3011	A C 4C
L3012	A C 4B
L3013	A C 4B
L3501	A C 2C
L3502	A C 2B
L3503	A C 2B
L3504	A C 2B
L3505	A C 2C
L3701	B C 3A
L3731	B C 3A
L3732	B C 2A
L3801	A C 3A
L3802	A C 3A
L3803	A C 2A
L3804	A C 3A
L3901	B C 2C
L4201	B C 1A
L4301	B C 1A
L4302	B C 1B
L4303	B C 1B
L4304	B C 1B
L5001	B C 1A
L5002	B C 2A
L5003	B C 2A
L5004	B C 1A
L5005	B C 1A
L5006	B C 1A
L5007	B C 1A
L6001	A C 3A
L6101	B C 3A
L6102	B C 3B
L6103	B C 3B
L6104	B C 4B
L6105	B C 4B
L6106	B C 4B
L6107	B C 3B
L6108	B C 3B
L6109	B C 3B
L7101	A C 2A
L7102	A C 2B
L7103	A C 2B
L7104	A C 1A
L7201	A C 2B
L7202	A C 3A
L7203	B C 2A
L7204	B C 2A
L7205	A C 2A
L7301	A C 2A
L8001	B C 3B
L8002	B C 3A
L8003	B C 2C
L8004	B C 2A
L8005	B C 2B
L8006	B C 2A
L8301	B C 2C
L8302	B C 2C
L8501	A C 4A
TRANSISTOR	
Q1001	B C 2C
Q1002	B C 2C
Q1003	A C 4A

COMPONENT PARTS LOCATION GUIDE <MAIN/YB10370-01-02> (2/2)

REF.NO.	LOCATION
Q1004	A C 3A
Q1006	A C 1C
Q1007	A C 1C
Q1401	A C 4B
Q1402	A C 4B
Q1403	A C 4B
Q1601	B C 3B
Q2101	A C 2B
Q2201	A C 2B
Q2401	A C 1B
Q2402	A C 1C
Q2403	A C 1B
Q2701	A C 4A
Q2702	A C 4A
Q3001	A C 4B
Q3002	A C 3C
Q3701	B C 3A
Q3702	B C 3A
Q3704	B C 3A
Q3705	B C 3A
Q3706	B C 3A
Q3707	B C 4A
Q3708	B C 3A
Q3731	B C 3A
Q3732	B C 2A
Q3733	B C 2A
Q3734	B C 2A
Q3735	B C 3A
Q6001	A C 3B
Q6002	A C 3B
Q6003	A C 3B
Q6004	A C 3A
Q6101	B C 3B
Q6102	B C 4B
Q6103	B C 4A
Q6104	B C 4B
Q6105	B C 4B
Q6106	A C 3A
Q6107	B C 3A
Q6108	B C 3A
Q6109	B C 3A
Q6110	B C 3A
Q7101	A C 2B
Q7102	A C 2B
Q7203	B C 2A
Q7204	B C 2A
Q8001	B C 2A

RESISTOR

R1001	A	C	4A
R1002	B	C	1C
R1003	B	C	1C
R1004	B	C	1C
R1005	B	C	1C
R1006	B	C	1C
R1007	B	C	1C
R1010	A	C	1C
R1011	B	C	1B
R1012	B	C	1B
R1015	B	C	1C
R1016	A	C	3A
R1017	A	C	1C
R1018	B	C	4C
R1020	B	C	4C
R1021	B	C	4C
R1022	B	C	4C
R1025	B	C	1C
R1026	A	C	4A
R1029	B	C	1C
R1030	B	C	1B
R1033	A	C	1A
R1034	A	C	1A
R1035	B	C	1C
R1036	B	C	1C
R1037	B	C	1C
R1039	B	C	1C
R1040	A	C	1A
R1041	A	C	1A
R1042	A	C	1A
R1043	A	C	1A
R1044	A	C	1C
R1045	A	C	1C
R1046	A	C	1C
R1047	A	C	1C
R1048	A	C	1C
R1049	A	C	1C

REF.NO.	LOCATION
R1050	A C 1C
R1051	B C 2C
R1052	B C 2C
R1053	B C 1C
R1054	B C 2C
R1055	B C 2C
R1056	B C 2C
R1058	B C 1B
R1060	B C 1B
R1061	B C 1C
R1066	B C 4C
R1072	B C 1C
R1076	B C 1C
R1077	B C 1C
R1084	B C 1C
R1085	B C 1C
R1086	B C 1B
R1087	B C 1C
R1101	B C 1C
R1102	B C 1C
R1104	B C 1C
R1106	B C 1C
R1107	B C 1C
R1108	B C 1C
R1109	B C 1C
R1401	B C 4B
R1402	B C 4B
R1403	B C 4B
R1404	B C 3C
R1405	A C 4B
R1406	B C 4C
R1407	B C 4B
R1408	B C 3C
R1409	B C 3C
R1410	A C 4B
R1411	B C 4B
R1412	B C 4B
R1413	B C 4B
R1414	B C 3B
R1415	B C 3C
R1416	B C 3C
R1417	B C 3C
R1425	B C 3B
R1426	B C 3B
R1601	B C 3C
R1602	B C 3C
R1603	B C 3C
R1604	B C 3C
R1605	B C 3B
R1609	B C 3B
R1610	B C 3C
R1611	B C 3C
R1612	B C 3C
R1613	B C 3C
R1616	B C 3C
R1619	B C 3C
R1620	B C 3C
R1621	B C 3C
R1622	B C 3C
R1624	B C 3B
R1628	B C 3C
R1629	B C 3C
R1630	B C 3C
R1631	B C 3C
R1635	B C 3B
R1636	B C 3C
R1637	B C 3C
R1701	A C 4B
R1702	A C 4B
R1703	A C 4C
R1704	A C 4C
R1705	A C 4C
R1706	A C 4C
R1707	A C 4C
R1708	A C 4C
R1709	A C 4C
R1710	A C 4C
R1711	A C 4C
R1712	A C 4C
R1801	B C 4C
R2101	A C 2B
R2102	A C 2B
R2103	A C 2B
R2104	A C 2B
R2105	A C 2B
R2106	A C 2B

REF.NO.	LOCATION
R2107	A C 2B
R2108	A C 2B
R2109	A C 2B
R2110	A C 2B
R2111	A C 2B
R2112	A C 2B
R2113	A C 2B
R2201	A C 1B
R2202	A C 1B
R2203	A C 1B
R2204	A C 1B
R2205	A C 1B
R2206	A C 2C
R2207	A C 2C
R2208	A C 2C
R2209	A C 2B
R2210	A C 1C
R2211	A C 1C
R2212	A C 1C
R2213	A C 1C
R2214	A C 2B
R2215	A C 2B
R2216	A C 2B
R2217	A C 1C
R2218	A C 1C
R2219	A C 1C
R2220	A C 1C
R2221	A C 1C
R2222	A C 1C
R2223	A C 1C
R2224	A C 1C
R2225	A C 1C
R2226	A C 1C
R2227	A C 2B
R2228	A C 2B
R2229	A C 1B
R2230	A C 1B
R2401	A C 1B
R2402	A C 1B
R2403	A C 1B
R2404	A C 1C
R2405	A C 1C
R2406	A C 1C
R2407	A C 1B
R2408	A C 1B
R2409	A C 1B
R2601	A C 1C
R2602	A C 1C
R2603	A C 1C
R2604	A C 1C
R2605	A C 1C
R2606	A C 1B
R2607	A C 1C
R2608	A C 1B
R2609	A C 1C
R2610	A C 1B
R2701	A C 4A
R2702	A C 4A
R2703	A C 4A
R2704	A C 4A
R2705	A C 4A
R2706	A C 4A
R2707	A C 4A
R2708	A C 4A
R2709	A C 4A
R2710	A C 4A
R2711	A C 3A
R2712	A C 4A
R2909	A C 1B
R2914	A C 1B
R3001	A C 3B
R3002	A C 3C
R3003	A C 3B
R3004	A C 3C
R3005	A C 4B
R3006	A C 3B
R3007	A C 3B
R3008	A C 3B
R3009	A C 3B
R3010	A C 3B
R3011	A C 3B
R3012	A C 3B
R3013	A C 3C
R3014	A C 3C
R3015	A C 3C
R3016	A C 4C

REF.NO.	LOCATION
R3017	A C 4C
R3018	A C 4C
R3019	A C 4C
R3020	A C 4C
R3021	A C 3B
R3022	A C 3B
R3023	A C 4B
R3024	A C 4B
R3027	A C 3B
R3028	A C 3B
R3029	A C 3B
R3030	A C 3B
R3031	A C 3B
R3032	A C 3B
R3033	A C 3B
R3034	A C 4C
R3035	A C 4C
R3036	A C 4C
R3037	A C 4C
R3038	A C 3C
R3039	A C 3C
R3040	A C 3C
R3041	A C 4C
R3042	A C 4C
R3043	A C 3C
R3044	A C 4C
R3045	A C 3C
R3046	A C 3C
R3049	A C 4B
R3050	A C 4B
R3051	A C 3B
R3052	A C 3C
R3053	A C 3C
R3054	A C 3C
R3055	A C 3C
R3056	A C 3C
R3057	A C 3C
R3058	A C 3B
R3501	A C 2C
R3502	A C 2C
R3503	A C 2C
R3504	A C 2C
R3505	A C 2C
R3506	A C 2C
R3507	A C 2C
R3508	A C 2C
R3509	A C 2B
R3510	A C 2B
R3521	A C 2C
R3522	A C 3C
R3523	A C 2B
R3524	A C 3C
R3525	A C 2C
R3526	A C 2B
R3527	A C 2B
R3701	B C 3A
R3702	B C 3A
R3703	B C 3A
R3704	B C 3A
R3705	B C 3A
R3706	B C 3A
R3707	B C 3A
R3708	B C 4A
R3709	B C 4A
R3710	B C 3A
R3711	B C 3A
R3712	B C 3A
R3713	B C 3A
R3714	B C 3A
R3715	B C 3A
R3716	B C 4A
R3721	B C 3A
R3722	B C 3A
R3724	B C 3A
R3725	B C 3A
R3726	B C 3A
R3727	B C 3A
R3728	B C 3A
R3730	B C 3A
R3731	B C 3A
R3732	B C 3A
R3733	B C 3A
R3734	B C 3A
R3735	B C 2A
R3736	B C 2A
R3737	B C 2A

REF.NO.	LOCATION
R3738	B C 2A
R3739	B C 2A
R3740	B C 2A
R3741	B C 2A
R3742	B C 3A
R3743	B C 3A
R3744	B C 3A
R3745	B C 2A
R3746	B C 3A
R3747	B C 3A
R3748	B C 3A
R3801	A C 3A
R3802	A C 3A
R3803	A C 3A
R3804	A C 3A
R3805	A C 3A
R3806	A C 3A
R3807	A C 3A
R3808	A C 3A
R3809	A C 3A
R4201	B C 1A
R4202	B C 1B
R4203	B C 1A
R4204	B C 1A
R4205	B C 1A
R4301	B C 1B
R4303	B C 1B
R4304	B C 1B
R4305	B C 1B
R4306	B C 1B
R4307	B C 1B
R4308	B C 1B
R4309	B C 1A
R4310	B C 1B
R4311	B C 2B
R4312	B C 1B
R4313	B C 1A
R4316	B C 1B
R4317	B C 1B
R4318	B C 1B
R4320	B C 1B
R4321	B C 1B
R4322	B C 2B
R4323	B C 2B
R4324	B C 1A
R4325	B C 1A
R5001	B C 1A
R5002	B C 1A
R5003	B C 1A
R5004	B C 1A
R5005	B C 1A
R5006	B C 1A
R5009	B C 1A
R5010	B C 1A
R5017	B C 1A
R5020	B C 1A
R6001	A C 3B
R6002	A C 3B
R6003	A C 3B
R6004	A C 3B
R6005	A C 3B
R6006	A C 3B
R6007	A C 3B
R6008	B C 4C
R6009	B C 4C
R6010	A C 3A
R6011	A C 3A
R6101	B C 4A
R6102	B C 4A
R6103	B C 4A
R6104	B C 4A
R6105	B C 4A
R6106	B C 4A
R6107	B C 4A
R6108	B C 4A
R6109	B C 4A
R6110	B C 4A
R6111	B C 4A
R6112	B C 4A
R6113	B C 4A
R6114	B C 4A
R6115	B C 4A
R6116	B C 4A
R6117	B C 4A
R6118	B C 4A
R6119	B C 4A

REF.NO.	LOCATION
R6120	B C 4A
R6121	B C 4A
R6122	B C 4A
R6123	B C 4A
R6124	B C 4A
R6125	B C 4A
R6126	B C 4A
R6127	B C 4A
R6128	B C 4A
R6129	B C 4A
R6130	B C 4A
R6131	B C 4A
R6132	B C 4A
R6133	B C 4A
R6134	B C 3A
R6135	B C 3A
R6136	B C 3A
R6137	B C 3A
R6138	B C 3A
R6139	B C 3A
R6140	B C 3A
R6141	B C 3A
R6142	B C 3A
R6143	B C 3A
R6144	B C 4A
R7101	A C 1A
R7102	A C 1A
R7103	A C 1A
R7104	A C 1A
R7105	A C 1A
R7106	A C 1A
R7107	A C 1A
R7108	A C 1A
R7109	A C 1A
R7110	A C 2A
R7111	A C 1A
R7112	A C 1B
R7113	A C 1B
R7114	A C 1B
R7115	A C 2B
R7116	A C 2B
R7117	A C 2B
R7118	A C 1A
R7119	A C 1A
R7120	A C 1A
R7121	A C 1A
R7122	A C 1A
R7123	A C 1A
R7124	A C 1A
R7201	A C 2A
R7202	A C 2A
R7203	A C 2A
R7204	A C 2A
R7205	A C 2A
R7206	A C 2A
R7207	A C 2A
R7213	A C 2A
R7214	A C 2A
R7215	A C 2B
R7216	A C 2B
R7217	A C 2B
R7218	A C 2B
R7219	A C 2B
R7220	A C 2B
R7221	A C 2B
R7222	A C 2B
R7223	A C 2A
R7224	B C 2A
R7225	B C 2A
R7226	A C 3A
R7227	A C 2A
R7228	A C 2A
R7229	A C 2A
R7230	A C 2A
R7301	A C 2A
R7302	A C 2A
R7303	A C 2A
R7304	A C 2A
R7305	A C 2A
R7306	A C 2A
R7307	A C 2A
R7308	A C 2A
R7309	A C 2A
R8001	B C 3B
R8002	B C 3B
R8003	B C 3B

REF.NO.	LOCATION
R8004	B C 2B
R8005	B C 2B
R8006	B C 2B
R8007	B C 2B
R8008	B C 2B
R8009	B C 2B
R8010	B C 2B
R8011	B C 3B
R8012	B C 2B
R8013	B C 2A
R8014	B C 2A
R8015	B C 2A
R8016	B C 2B
R8017	B C 3B
R8018	B C 3B
R8019	B C 3B
R8022	B C 2B
R8026	B C 2B
R8037	B C 2B
R8038	B C 2B
R8041	B C 3B
R8043	B C 2B
R8045	B C 3B
R8046	B C 2B
R8047	B C 3B
R8049	B C 2B
R8051	B C 2B
R8052	B C 3B
R8055	B C 2B
R8057	B C 2A
R8058	B C 2A
R8301	B C 2C
R8302	B C 2C
R8303	B C 2C
R8305	B C 2C
R8306	B C 2C
R8307	B C 2C
R8308	B C 2C
R8309	B C 2C
R8310	B C 2C
R8311	B C 2C
R8312	B C 2C
R8313	B C 2C
R8502	A C 4A
R8503	A C 4A
R8504	A C 4B
R8505	A C 4B
RA1008	A C 1C
RA1009	A C 1C
RA1010	A C 1C
RA1401	B C 4C
RA3001	A C 3B
RA3002	A C 3B
RA4201	B C 1A
RA4202	B C 1A
RA4301	B C 2B
RA4302	B C 2B
RA4303	B C 2B
RA4304	B C 2B
RA4305	B C 1B
RA4306	B C 1B
RA4307	B C 1B
RA4308	B C 1B
RA8001	B C 2B
RA8002	B C 2B
RA8003	B C 2B
RA8004	B C 2B

OTHER

J101	A	D	4C
S1001	A	C	1C
TL1001	B	C	1C
TL1002	B	C	1C
TL1003	B	C	1C
TL1401	B	C	3B
TL1402	B	C	3B
TL1403	B	C	4B
TL1404	B	C	4B
TL1405	B	C	4C
TL1406	B	C	4B
TL1407	B	C	4B
TL1408	B	C	4C
TL1409	B	C	4C
TL1410	B	C	4C
TL1411	B	C	3C
TL1412	B	C	4C

REF.NO.	LOCATION
TL1413	B C 4B
TL1414	B C 4C
TL1415	A C 4B
TL1416	A C 4B
TL1417	A C 4B
TL1418	B C 3B
TL1419	B C 3B
TL1601	B C 3C
TL1602	B C 3B
TL1603	B C 3B
TL1604	B C 3B
TL1605	A C 4C
TL1606	A C 4C
TL1607	A C 4C
TL1608	A C 4C
TL1610	B C 3C
TL1611	B C 3C
TL1612	B C 3C
TL1613	B C 3C
TL1614	B C 3C
TL1617	B C 3C
TL1618	A C 4C
TL1619	A C 4C
TL1620	B C 3C
TL1621	B C 3C
TL1622	B C 3C
TL3001	A C 3B
TL3801	A C 3B
TL3802	A C 3B
TL4201	A C 1A
TL4202	A C 1A
TL4203	A C 1A
TL4304	B C 2A
TL4305	B C 2A
TL4306	B C 2A
TL4308	B C 2A
TL4309	B C 1B
TL4310	B C 1C
TL4311	B C 1B
TL4312	B C 1C
TL4313	B C 1B
TL4314	B C 1B
TL4315	B C 1B
TL4316	B C 1B
TL4317	B C 2A
TL4318	B C 1A
TL4319	B C 1B
TL4320	B C 1B
TL4321	B C 1B
TL4322	B C 1B
TL4323	B C 2A
TL4324	B C 1B
TL4325	B C 1B
TL4326	B C 2B
TL7101	A C 1A
TL7201	A C 2B
TL7202	A C 2B
TL8001	B C 3B
TL8002	B C 3B
TL8003	B C 2B
TL8004	B C 2B
TL8005	B C 2B
TL8006	B C 2B
TL8007	B C 2B
TL8008	B C 2B
TL8009	B C 2B
TL8013	B C 2C
TL8020	B C 2B
TL8022	B C 2B
TL8302	B C 2C
TL8303	B C 2C
TL8304	B C 2C
TL8305	B C 1C
TL8502	A C 4A
TL8504	A C 4A
TL8507	A C 4B
TL8508	A C 4A
TL8509	A C 4B
TL8510	A C 4B
X1001	B C 1C
X1002	A C 3B
X1401	B C 4B
X3001	A C 3B
X3002	A C 3B
X4301	B C 1B
X8301	B C 2B

COMPONENT SIDE(A)

F 2A

• CAUTION:
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD ,REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S).

• ATTENTION:
POUR UNE PROTECTION PERMANENTE CONTRE LES RISQUE D'INCENDE, REMPLACER LES FUSIBLES PAR UN AUTRE DE MEME TYPE ET DE MEME TENSION.

0 1 MAIN PWB
YB10370-01-02

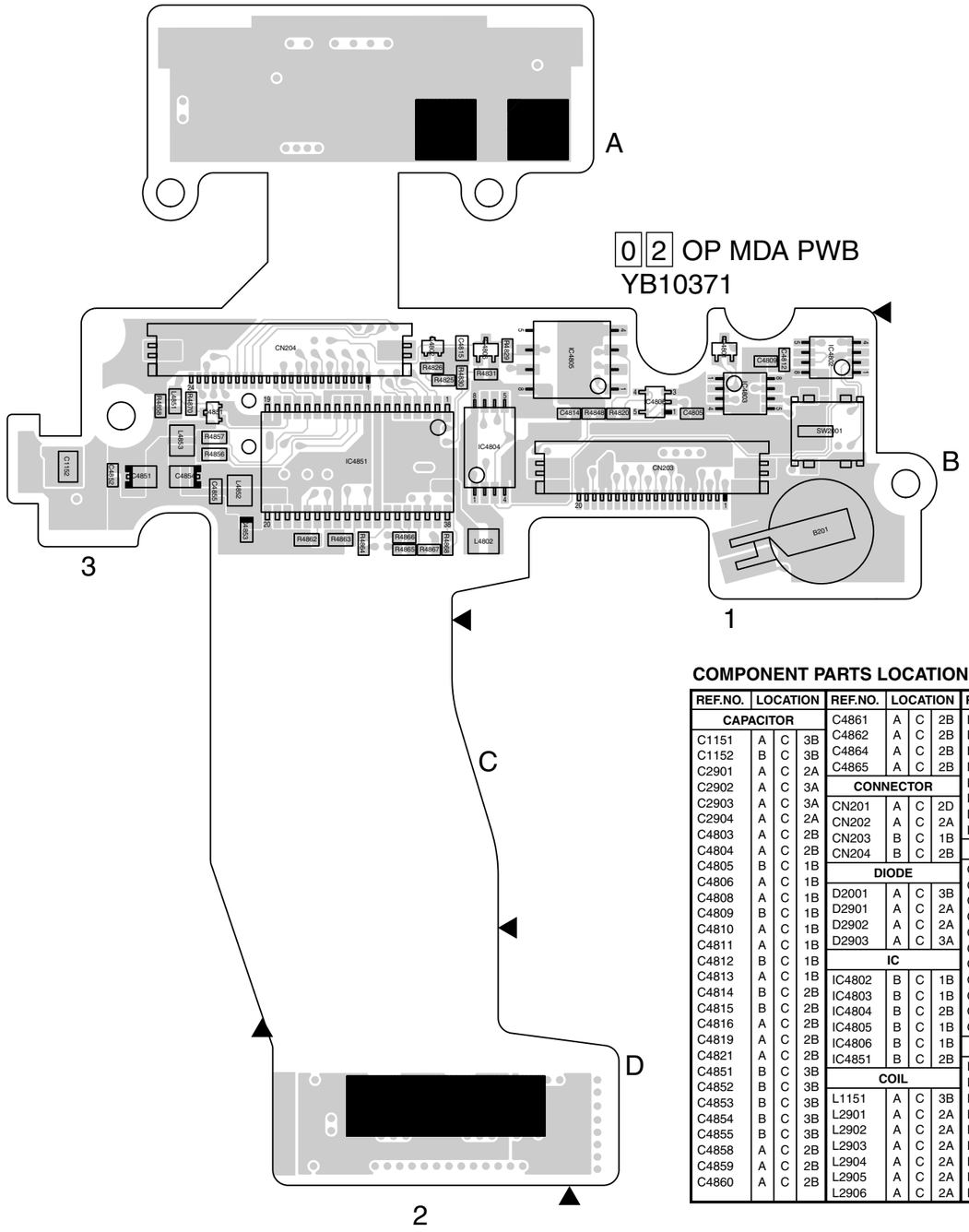
C

B

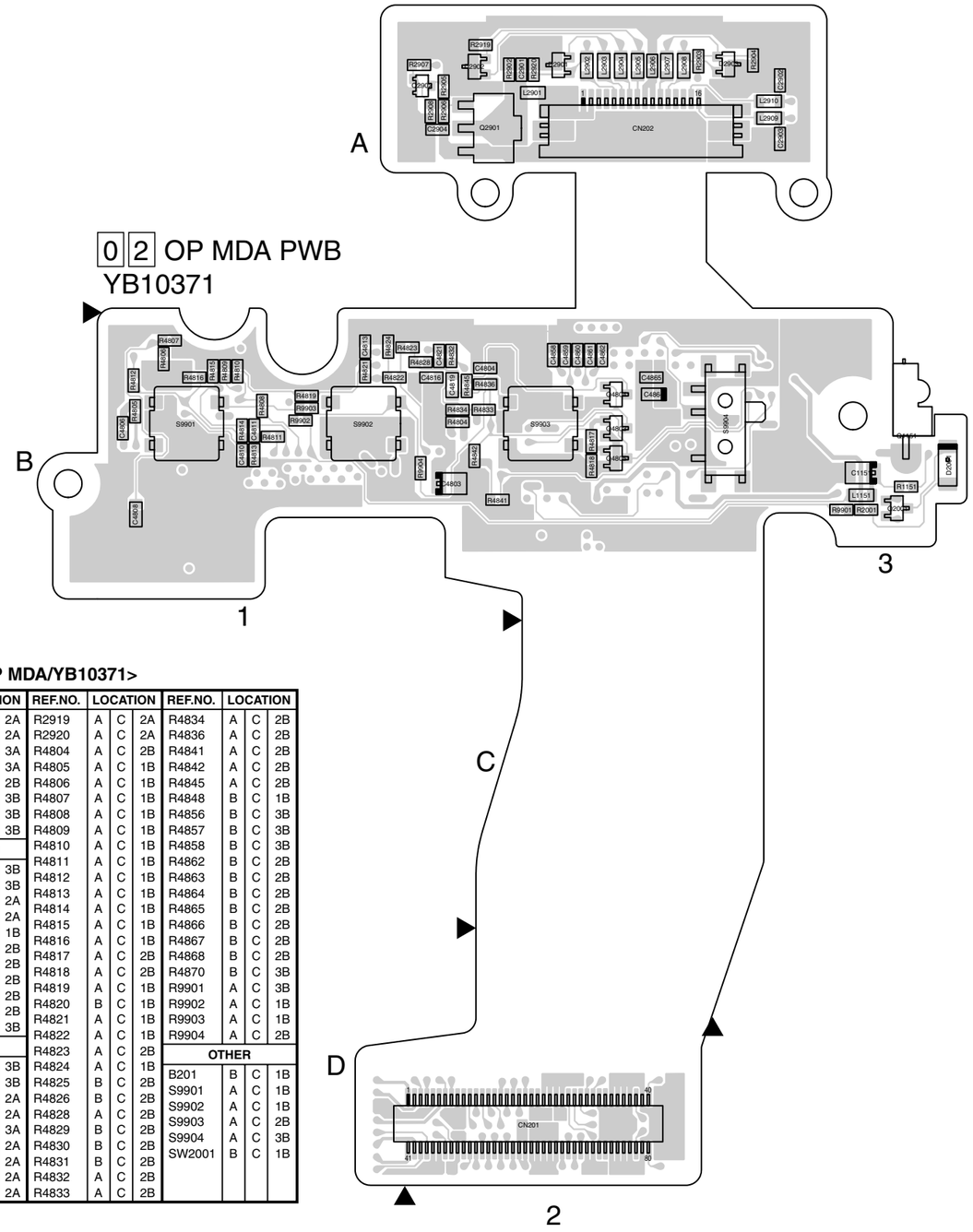
A

4 3 2 1

FOIL SIDE(B)



COMPONENT SIDE(A)



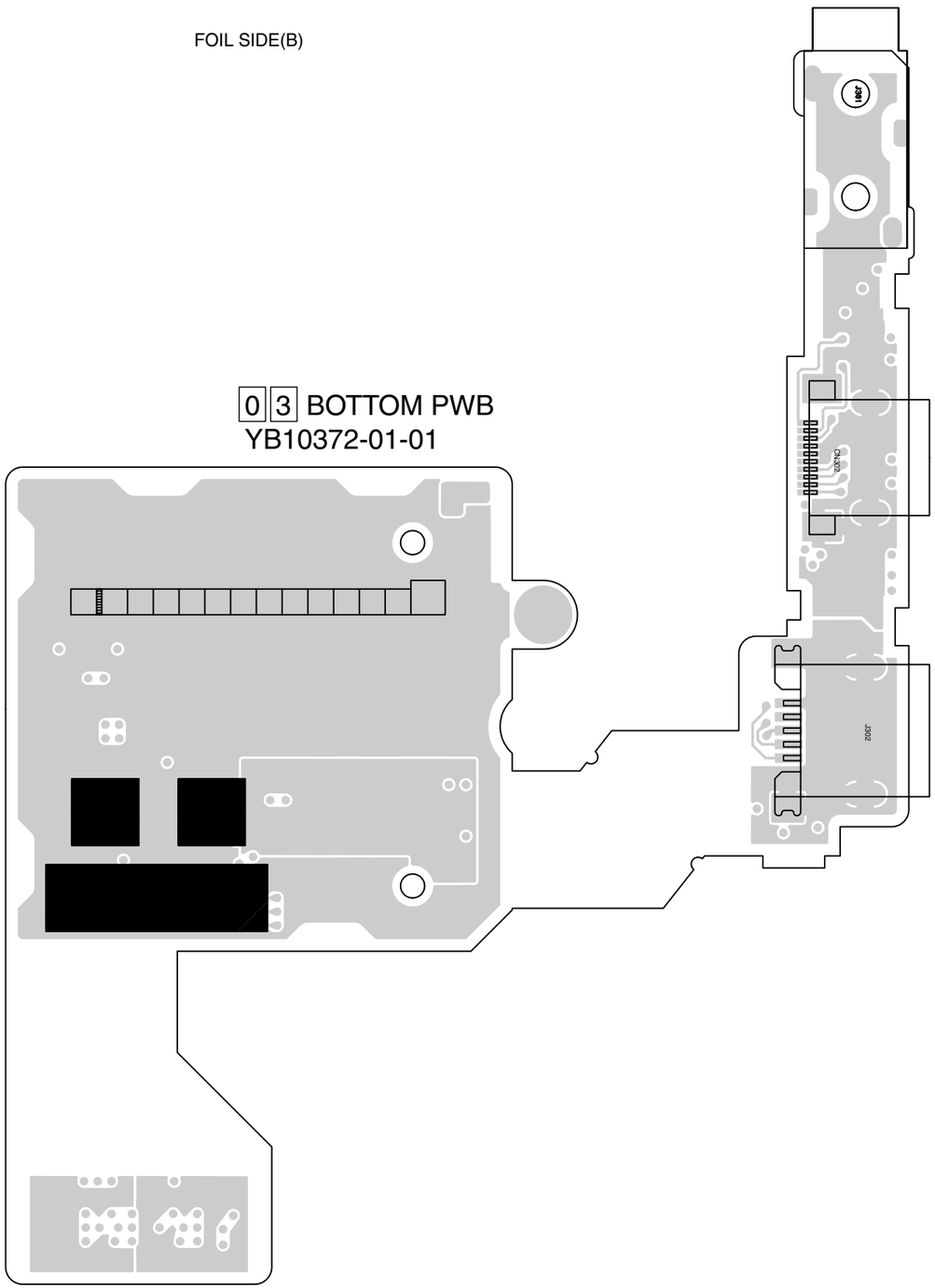
COMPONENT PARTS LOCATION GUIDE <OP MDA/YB10371>

REF.NO.	LOCATION		
CAPACITOR			
C1151	A	C	3B
C1152	B	C	3B
C2901	A	C	2A
C2902	A	C	3A
C2903	A	C	3A
C2904	A	C	2A
C4803	A	C	2B
C4804	A	C	2B
C4805	B	C	1B
C4806	A	C	1B
C4808	A	C	1B
C4809	B	C	1B
C4810	A	C	1B
C4811	A	C	1B
C4812	B	C	1B
C4813	A	C	1B
C4814	B	C	2B
C4815	B	C	2B
C4816	A	C	2B
C4819	A	C	2B
C4821	A	C	2B
C4851	B	C	3B
C4852	B	C	3B
C4853	B	C	3B
C4854	B	C	3B
C4855	B	C	3B
C4858	A	C	2B
C4859	A	C	2B
C4860	A	C	2B
C4861	A	C	2B
C4862	A	C	2B
C4864	A	C	2B
C4865	A	C	2B
CONNECTOR			
CN201	A	C	2D
CN202	A	C	2A
CN203	B	C	1B
CN204	B	C	2B
DIODE			
D2001	A	C	3B
D2901	A	C	2A
D2902	A	C	2A
D2903	A	C	3A
IC			
IC4802	B	C	1B
IC4803	B	C	1B
IC4804	B	C	2B
IC4805	B	C	1B
IC4806	B	C	1B
IC4851	B	C	2B
COIL			
L1151	A	C	3B
L2901	A	C	2A
L2902	A	C	2A
L2903	A	C	2A
L2904	A	C	2A
L2905	A	C	2A
L2906	A	C	2A
L2907	A	C	2A
L2908	A	C	2A
L2909	A	C	3A
L2910	A	C	3A
L4802	B	C	2B
L4851	B	C	3B
L4852	B	C	3B
L4853	B	C	3B
TRANSISTOR			
Q1151	A	C	3B
Q2001	A	C	3B
Q2901	A	C	2A
Q2902	A	C	2A
Q4801	B	C	1B
Q4802	B	C	2B
Q4803	A	C	2B
Q4804	A	C	2B
Q4805	A	C	2B
Q4806	B	C	2B
Q4851	B	C	3B
RESISTOR			
R1151	A	C	3B
R2001	A	C	3B
R2902	A	C	2A
R2903	A	C	2A
R2904	A	C	3A
R2905	A	C	2A
R2906	A	C	2A
R2907	A	C	2A
R2908	A	C	2A
R2919	A	C	2A
R2920	A	C	2A
R4804	A	C	2B
R4805	A	C	1B
R4806	A	C	1B
R4807	A	C	1B
R4808	A	C	1B
R4809	A	C	1B
R4810	A	C	1B
R4811	A	C	1B
R4812	A	C	1B
R4813	A	C	1B
R4814	A	C	1B
R4815	A	C	1B
R4816	A	C	1B
R4817	A	C	2B
R4818	A	C	2B
R4819	A	C	1B
R4820	B	C	1B
R4821	A	C	1B
R4822	A	C	1B
R4823	A	C	2B
R4824	A	C	1B
R4825	B	C	2B
R4826	B	C	2B
R4828	A	C	2B
R4829	B	C	2B
R4830	B	C	2B
R4831	B	C	2B
R4832	A	C	2B
R4833	A	C	2B
R4834	A	C	2B
R4836	A	C	2B
R4841	A	C	2B
R4842	A	C	2B
R4845	A	C	2B
R4848	B	C	1B
R4856	B	C	3B
R4857	B	C	3B
R4858	B	C	3B
R4862	B	C	2B
R4863	B	C	2B
R4864	B	C	2B
R4865	B	C	2B
R4866	B	C	2B
R4867	B	C	2B
R4868	B	C	2B
R4870	B	C	3B
R9901	A	C	3B
R9902	A	C	1B
R9903	A	C	1B
R9904	A	C	2B
OTHER			
B201	B	C	1B
S9901	A	C	1B
S9902	A	C	1B
S9903	A	C	2B
S9904	A	C	3B
SW2001	B	C	1B

4.28 BOTTOM CIRCUIT BOARD

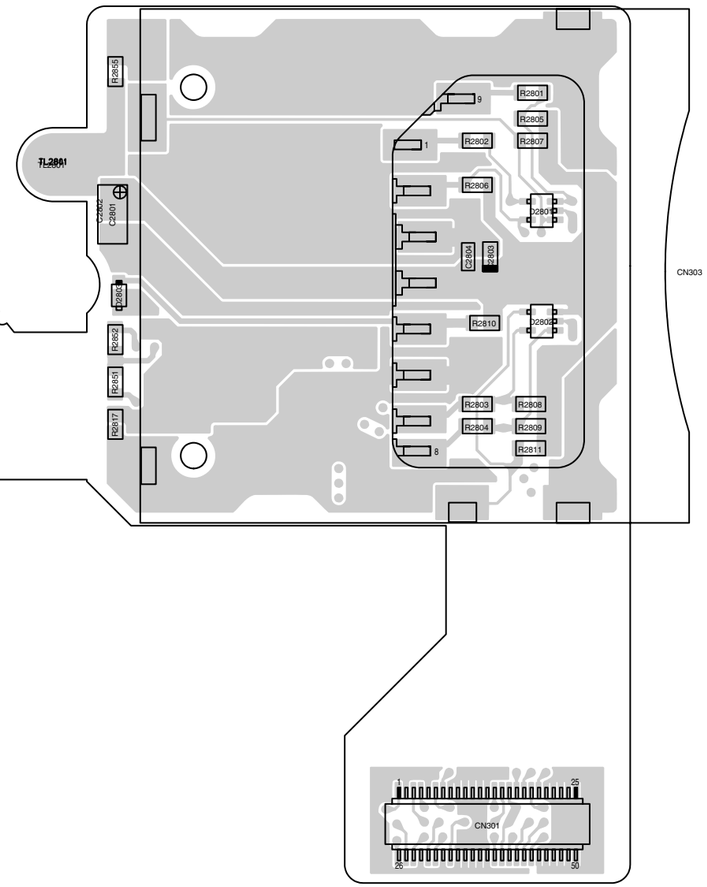
FOIL SIDE(B)

03 BOTTOM PWB
YB10372-01-01



COMPONENT SIDE(A)

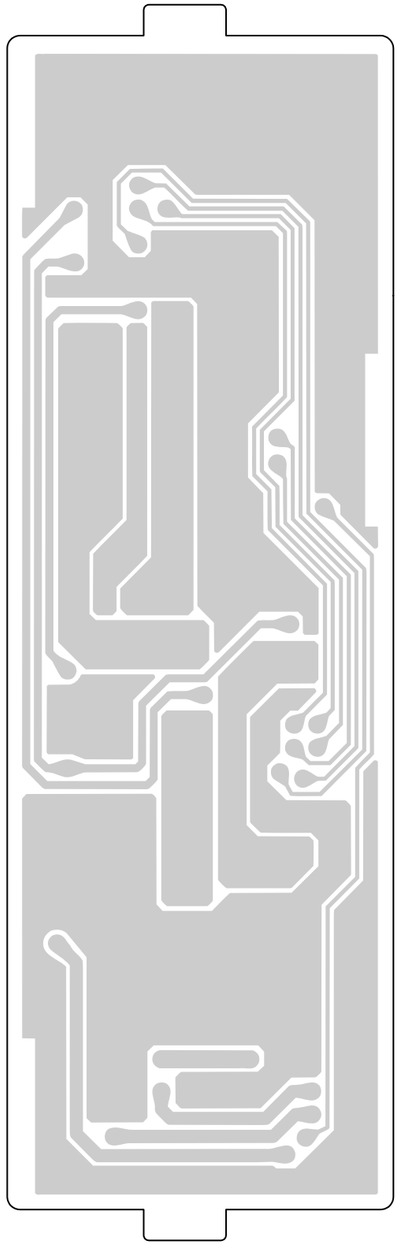
03 BOTTOM PWB
YB10372-01-01



- MONITOR -

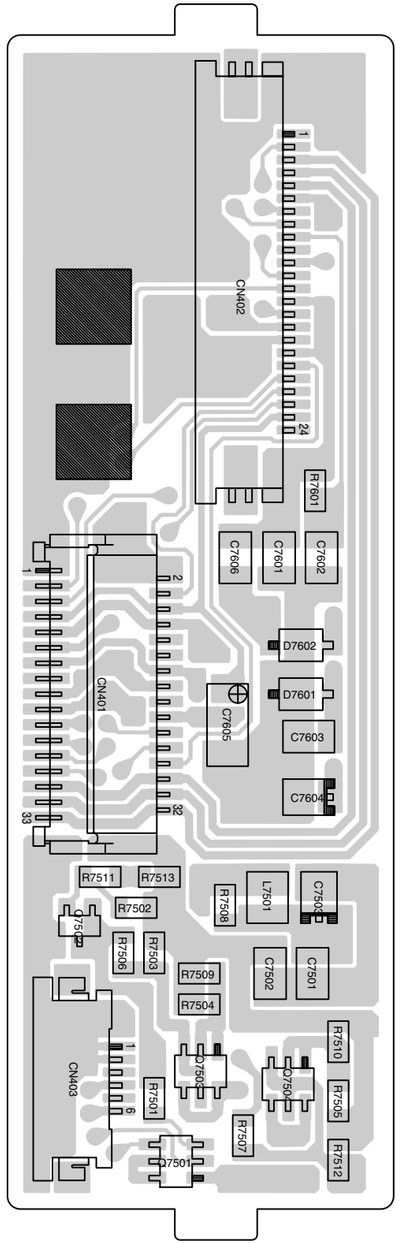
FOIL SIDE(B)

0 4 MONITOR PWB
YB20933



COMPONENT SIDE(A)

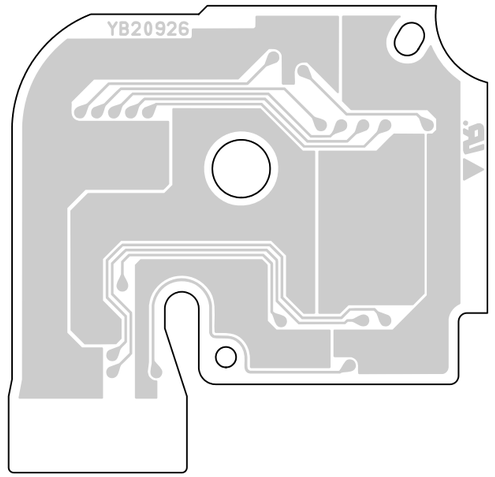
0 4 MONITOR PWB
YB20933



- CCD -

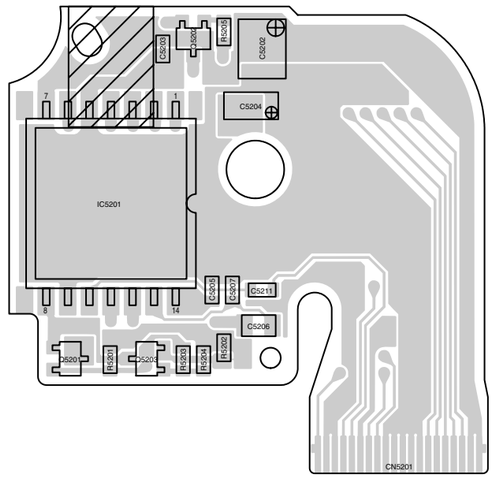
FOIL SIDE(B)

0 5 CCD PWB
YB20926



COMPONENT SIDE(A)

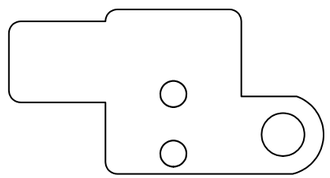
0 5 CCD PWB
YB20926



- EJECT -

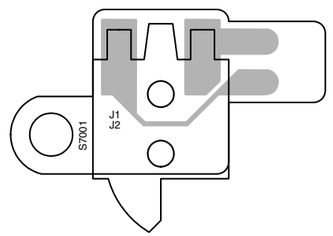
FOIL SIDE(B)

0 6 EJECT PWB
YB10372-01-01



COMPONENT SIDE(A)

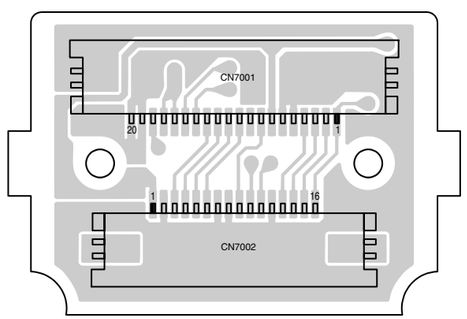
0 6 EJECT PWB
YB10372-01-01



- VF BL -

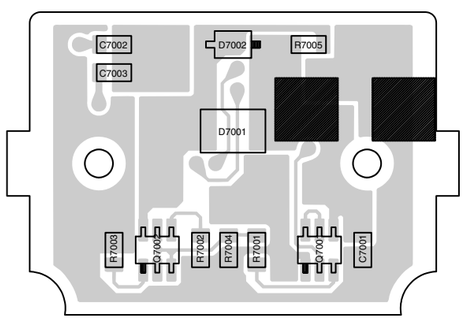
FOIL SIDE(B)

0 7 VF BL PWB
YB20933



COMPONENT SIDE(A)

0 7 VF BL PWB
YB20933



4.30 VOLTAGE CHARTS

<SYSCON-CPU>

MODE PIN NO.	REC	PLAY
IC1001	-	-
IC1002		
1	0	0
2	3.0	2.9
3	0	0
4	0	0
5	0	3.0
6	0.5	0.5
7	0.5	0.4
8	3.1	3.2
IC1003		
1	3.1	3.1
2	3.1	3.1
3	3.0	3.0
4	0.7	0.7
5	3.1	3.1
6	0	0
7	0.7	0.6
8	3.0	3.0
IC1006		
1	2.6	2.6
2	0.6	0.6
3	0	0
4	3.0	3.0
5	3.1	3.1
6	3.1	3.1
7	1.4	1.4
8	1.5	1.5
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	3.0	3.0
20	2.8	2.8
IC1007		
1	3.0	0
2	3.0	3.0
3	0	0
4	3.0	3.0
5	3.0	3.0
IC1008		
1	3.0	0
2	3.0	3.0
3	0	0
4	0	0
Q1001		
E	0	0
C	0	0
B	0	0
Q1002		
E	0	0
C	3.0	3.1
B	0.5	0.5
Q1003		
E	0	0
C	0.7	0.7
B	0	0

MODE PIN NO.	REC	PLAY
Q1004		
E	0	0
C	0.7	0.7
B	0	0
Q1006		
E	3.1	3.1
C	3.0	0
B	0	3.1
Q1007		
E	0	0
C	0	3.0
B	3.0	0

<W/B>

MODE PIN NO.	REC	PLAY
IC1101		
1	2.4	2.4
2	2.4	2.4
3	2.4	2.4
4	0	0
5	2.4	2.4
6	2.4	2.4
7	1.6	1.7
8	4.7	4.7

<SERVO>

MODE PIN NO.	REC	PLAY
IC1401	-	-
Q1401		
E	3.1	0
C	3.1	3.1
B	3.1	3.1
Q1402		
1(E)	0	0
2(B)	3.0	3.1
3(E)	3.1	3.1
4(C)	2.9	2.9
5(C)	0	0
Q1403		
1(E)	0	0
2(B)	0	0
3(E)	3.1	3.1
4(C)	-0.5	0
5(C)	3.1	3.1

<MDA>

MODE PIN NO.	REC	PLAY
IC1601		
1	0	0
2	1.2	0
3	1.1	0
4	0	1.2
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	4.8	4.8

MODE PIN NO.	REC	PLAY
13	0.4	0.4
14	0.5	0.4
15	0.4	0.4
16	0	0
17	0.9	0.9
18	7.0	7.0
19	1.5	1.5
20	1.5	1.5
21	1.5	1.5
22	1.5	1.5
23	1.5	1.5
24	1.5	1.5
25	1.5	1.6
26	1.5	1.5
27	1.5	1.5
28	1.5	1.5
29	3.1	3.1
30	0	0
31	0.7	0.6
32	0.6	0.6
33	1.6	1.5
34	3.1	3.1
35	0	0
36	0	0
37	0	0
38	0	0
39	0	0
40	1.5	1.4
41	0.6	0.6
42	0.6	0.6
43	1.0	0.9
44	0.6	0.6
45	0	0
46	0	0
47	2.8	2.8
48	1.2	1.2
49	1.5	1.5
50	1.5	1.5
51	1.5	1.5
52	1.5	1.5
53	1.6	0.6
54	0	0.6
55	0	0
56	1.2	1.1
57	1.2	1.2
58	1.1	1.2
59	1.1	1.1
60	1.1	1.2
61	0.4	0.4
62	0	0
63	7.0	7.0
64	2.5	2.5
IC1701		
1	-	-
2	1.5	1.5
3	1.4	1.4
4	0	0
5	1.5	1.5
6	1.5	1.5
7	-	-
8	4.8	4.8

MODE PIN NO.	REC	PLAY
IC1702		
1	0	0
2	1.5	0
3	-	-
4	0	0
5	-	-
6	1.5	1.5
7	0	-
8	4.8	4.8
Q1601		
1(E)	0	0
2(B)	0	0
3(E)	4.8	4.7
4(C)	0	0
5(C)	4.8	4.7

<AUDIO AD/DA>

MODE PIN NO.	REC	PLAY
IC2101		
1	0	0
2	0	0
3	0	0
4	0	0
5	3.1	3.0
6	0	3.1
7	0	0
8	0	0
9	0.6	0.6
10	0.6	0.6
11	0	0
12	0.6	0.6
13	0	0
14	0	0
15	0	0.5
16	0	0
Q2101		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0

<MAIN AUDIO>

MODE PIN NO.	REC	PLAY
IC2201		
1	0	0
2	0	0
3	0	0
4	3.0	3.0
5	3.1	3.1
6	0	0
7	0	1.5
8	1.4	1.4
9	1.5	1.5
10	0	0
11	0	2.9
12	0	2.9
13	1.5	1.5

MODE PIN NO.	REC	PLAY
14	1.4	2.2
15	2.9	2.9
16	0	0
17	1.5	1.4
18	0	0.4
19	1.4	1.4
20	0	0
21	1.4	1.3
22	0	2.4
23	1.5	1.4
24	0	2.4
25	1.5	1.4
26	2.5	2.5
27	2.4	2.4
28	4.8	4.7
29	2.4	2.4
30	2.4	2.4
31	0	0
32	2.9	2.9
33	0	1.5
34	0.6	0.4
35	0.6	0.4
36	1.4	1.5
37	1.5	1.4
38	1.5	1.4
39	1.4	1.4
40	1.4	0
41	0	0
42	4.0	4.4
43	2.6	0
44	3.9	4.3
45	1.4	4.3
46	1.5	0
47	1.5	1.4
48	1.5	1.5
Q2201		
E	1.5	1.4
C	4.7	4.7
B	2.0	2.0
Q2401		
E	-	-
C	4.7	4.7
B	-	-
Q2403		
E	2.9	2.9
C	4.8	4.8
B	3.6	3.6

<DV MAIN>

MODE PIN NO.	REC	PLAY
IC3001	-	-
IC3004	-	-
IC3005		
1	0	0.4
2	0	0.4
3	0	0
4	0.7	1.7
5	0	0
6	0	0
7	0	0
8	3.1	3.1

MODE PIN NO.	REC	PLAY
Q3001		
E	1.8	1.8
C	2.9	2.9
B	2.4	1.2
Q3002		
E	0	1.2
C	2.5	2.5
B	0.7	1.7

<PRE/REC>

MODE PIN NO.	REC	PLAY
IC3501		
1	0	0
2	0.5	0.5
3	0	0
4	0.5	1.5
5	2.5	2.5
6	2.4	1.6
7	1.4	0
8	0	0
9	1.2	3.1
10	1.9	1.9
11	3.1	3.1
12	0	0
13	0	4.8
14	0	0
15	0	0
16	0	0
17	0	0
18	3.6	1.6
19	0	1.6
20	3.3	1.6
21	0	1.6
22	0	0
23	3.6	1.6
24	3.3	1.7
25	0	1.6
26	0	1.6
27	0	0
28	0	1.4
29	1.5	1.7
30	3.3	1.7
31	0	1.4
32	0	0
33	0	0
34	0	0
35	1.7	1.7
36	0.4	0.4
37	3.0	3.1
38	0	3.1
39	0	3.0
40	0	1.5
41	0	3.1
42	0	0
43	4.7	4.7
44	3.0	0
45	0	0
46	0	2.0
47	0	2.0
48	4.3	3.1
49	4.2	2.8
50	0.5	1.6

MODE PIN NO.	REC	PLAY
51	1.3	1.3
52	0.9	1.6
53	0	0
54	3.1	2.5
55	2.5	1.9
56	1.1	1.1
57	2.5	1.9
58	2.5	1.4
59	0	0
60	1.5	1.5
61	3.0	1.9
62	2.5	1.9
63	2.5	1.3
64	2.5	2.0

<VIDEO I/O>

MODE PIN NO.	REC	PLAY
IC3701		
1	0	0
2	1.9	1.9
3	0	0
4	0	0
5	0	0
6	0	0
7	1.9	1.9
8	0	0
9	2.3	2.3
10	0	0
11	1.3	1.3
12	1.3	1.3
13	4.7	4.7
14	1.0	1.0
15	1.0	1.0
16	4.7	4.7
IC3731		
1	3.0	3.0
2	1.2	1.2
3	4.7	4.7
4	1.3	1.3
5	0	0
6	1.5	1.4
IC3801	-	-
IC3901		
1	0	0
2	0.5	0.5
3	0.4	0.4
4	1.7	1.7
5	0.6	0.6
6	2.4	2.4
7	3.1	3.1
8	3.1	3.1
9	3.1	3.1
10	3.1	3.1
11	3.1	3.1
12	1.0	1.0
13	1.3	1.3
14	1.2	1.2
15	0	0
16	3.0	3.0
17	0.6	0.6
18	1.9	1.9
19	1.4	1.5

MODE PIN NO.	REC	PLAY
20	0	0
Q3701		
1(E)	1.7	1.7
2(B)	1.1	1.1
3(C)	0	0
4(E)	1.4	1.4
5(B)	0.8	0.8
6(C)	0	0
Q3702		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	4.8	4.8
5(B)	4.3	4.4
6(C)	4.3	4.4
Q3704		
E	0.8	0.8
C	0	0
B	0	0
Q3705		
1(E)	0.9	0.9
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q3731		
E	0	0
C	4.7	4.7
B	0	0
Q3732		
E	0	0
C	0	0
B	3.0	3.0
Q3733		
1(E)	0	0
2(B)	0.4	0.4
3(C)	0	0
4(E)	4.7	4.7
5(B)	4.7	4.7
6(C)	4.7	4.7
Q3734		
E	0	0
C	4.7	4.7
B	0	0
Q3735		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	1.4	1.4
5(B)	0	0.9
6(C)	4.7	4.7

<CDS/AD>

MODE PIN NO.	REC	PLAY
IC4201		
1	1.2	0
2	1.2	0
3	0.8	0
4	0	0
5	0	4.2
6	0	0

MODE PIN NO.	REC	PLAY
7	0	0
8	0	0
9	1.1	0
10	3.0	4.5
11	0	0
12	0	0
13	3.1	4.8
14	2.6	0
15	3.0	0
16	1.9	0
17	1.9	0
18	0	0
19	3.1	4.8
20	1.9	0
21	1.9	0
22	1.9	0
23	1.9	0
24	1.2	0
25	3.1	4.8
26	0	0
27	0	0
28	1.4	0
29	1.9	0
30	0	0
31	0	4.8
32	0	0
33	3.0	3.0
34	1.4	2.1
35	2.9	3.0
36	1.2	0.6
IC4202		
1	4.8	4.7
2	0	0
3	1.3	1.3
4	3.1	4.8
5	4.7	4.7

<CAM.DSP>

MODE PIN NO.	REC	PLAY
IC4301	-	-
IC4302		
1	1.7	1.7
2	0	0
3	1.8	1.8
4	1.8	1.8
5	1.5	1.5
IC4303		
1	3.0	3.0
2	0	0
3	1.3	1.3
4	2.5	2.5
5	3.1	3.1

<TG/VDR>

MODE PIN NO.	REC	PLAY
IC5001		
1	0	0
2	0	0
3	3.0	3.0
4	3.1	3.1
5	0	0

MODE PIN NO.	REC	PLAY
6	0.8	0
7	1.0	0.7
8	3.3	3.3
9	0	0
10	0	0
11	0	0
12	1.4	0
13	1.2	0
14	3.3	3.3
15	3.0	0
16	3.1	3.0
17	1.9	0
18	1.9	0
19	0	0
20	3.0	0
21	2.6	0
22	0	0
23	0	0
24	3.0	3.1
25	1.5	1.5
26	0	0
27	0	0
28	3.0	0
29	2.8	0
30	0	0
31	0	0
32	3.0	3.0
33	0.6	2.1
34	3.0	3.0
35	0	0
36	0	0
37	3.1	3.1
38	0	0
39	0	0
40	0	0
41	-6.2	0
42	-6.2	0
43	0	14.9
44	0	0
45	0	-6.6
46	0	-6.6
47	3.0	3.1
48	3.1	3.1
IC5002		
1	1.1	1.0
2	1.5	1.5
3	0	0
4	3.1	3.1
5	0	0
6	1.4	1.5
7	3.1	3.1
8	0	0
IC5003		
1	1.8	4.8
2	0	0
3	1.8	1.3
4	1.8	3.3
5	1.5	4.8

<REGCON>

MODE PIN NO.	REC	PLAY
IC1801		
1	4.5	4.5
2	0	0
3	4.7	4.7
IC6001		
1	6.9	7.0
2	6.8	6.8
3	0	0
4	0	0
IC6002		
1	0	0
2	7.0	7.0
3	3.3	3.3
4	0	0
IC6003		
1	7.0	7.0
2	0	0
3	0	0
4	0	0
5	3.0	3.0
Q2701		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q2702		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q6001		
D	7.0	7.0
S	7.0	7.0
G	0	0
Q6002		
D	0	0
S	0	0
G	6.9	7.0
Q6003		
1(S)	0	0
2(G)	0	0
3(D)	0	0
4(S)	3.9	3.9
5(G)	3.0	3.0
6(D)	6.7	6.7
Q6004		
E	0	0
C	0	0
B	3.0	3.0

<REG>

MODE PIN NO.	REC	PLAY
IC6101		
1	4.4	4.5
2	0	7.0
3	5.8	5.9
4	0	0
5	0	0

MODE PIN NO.	REC	PLAY
6	6.9	7.0
7	6.9	7.0
8	2.0	2.0
9	0	0
10	0	0
11	0	0
12	0.7	0.7
13	1.5	1.5
14	0.8	0.8
15	0	0
16	0	0
17	1.5	1.5
18	1.0	1.0
19	6.9	7.0
20	1.3	1.3
21	0	0
22	1.5	1.5
23	0.7	0.7
24	1.5	1.5
25	0	1.5
26	0.6	0.6
27	0	0
28	0	0
29	0.9	0.8
30	1.5	1.5
31	0	7.0
32	4.9	5.0
33	0	0
34	0	3.7
35	0	7.0
36	3.2	3.3
37	0	0
38	1.5	0
39	1.0	1.0
40	1.0	0
41	0	0
42	2.0	0
43	0.5	0.5
44	3.0	3.0
45	3.0	3.0
46	3.0	3.0
47	3.0	3.0
48	0	0
Q6101		
1(G)	3.7	3.7
2(S)	7.0	7.0
3(A)	0	0
4(C)	3.1	3.1
5(D)	3.1	3.1
Q6102		
1(G)	5.0	5.0
2(S)	7.0	7.0
3(A)	0	0
4(C)	1.8	1.8
5(D)	1.8	1.9
Q6103		
1(G)	6.0	6.0
2(S)	7.0	7.0
3(A)	0	0
4(C)	0.9	1.0
5(D)	0.9	1.0

MODE PIN NO.	REC	PLAY
Q6104		
1(G)	4.6	4.6
2(S)	7.0	7.0
3(A)	0	0
4(C)	2.5	2.5
5(D)	2.5	2.5
Q6105		
1(G)	2.1	2.1
2(S)	7.0	7.0
3(A)	0	0
4(C)	4.8	4.8
5(D)	4.8	4.8
Q6106		
D	3.3	3.5
S	7.0	7.0
G	0	0
Q6107		
E	-14.8	-14.8
C	-6.5	-6.6
B	-14.2	-14.2
Q6108		
1(E)	0	-4.1
2(B)	-3.8	-3.9
3(C)	-14.2	-14.2
4(E)	0	0
5(B)	0	0.7
6(C)	0	0.7
Q6109		
1(E)	0	4.2
2(B)	4.8	4.8
3(C)	14.4	14.3
4(E)	4.2	4.3
5(B)	4.7	4.7
6(C)	14.9	15.0
Q6110		
E	15.0	15.0
C	12.1	12.0
B	14.4	14.4

<VF MAIN>

MODE PIN NO.	REC	PLAY
IC7101		
1	0	0
2	2.9	2.8
3	3.0	3.0
4	3.0	3.0
5	1.7	1.7
6	0	0
7	0	0
8	3.0	3.0
9	3.0	3.0
10	0.6	0.8
11	0	3.0
12	0	0
13	3.0	3.0
14	3.0	3.0
15	0	0
16	0	0
17	0	0
18	0	0
19	0	0
20	1.5	1.5

MODE PIN NO.	REC	PLAY
21	1.5	1.5
22	0	0
23	0	0
24	0	0
25	0	0
26	2.8	2.8
27	1.5	1.5
28	0	0
29	3.0	3.0
30	3.0	3.0
31	0	0
32	0	0
33	0	0
34	0	0
35	5.7	5.7
36	0	0
37	0	0
38	0	0
39	0	0
40	6.1	6.1
41	1.4	1.4
42	0	0
43	6.1	6.1
44	1.4	1.4
45	6.1	6.1
46	1.4	1.4
47	12.0	12.1
48	6.0	6.0
49	3.0	3.0
50	0	0
51	0	0
52	3.0	3.0
53	0	0
54	2.0	2.0
55	0	0
56	0	0
57	0	0
58	2.9	3.0
59	1.4	1.4
60	1.4	1.4
61	1.4	1.4
62	3.0	3.0
63	1.7	1.6
64	0	0
Q7101		
E	12.1	12.1
C	12.1	12.1
B	11.4	11.4
Q7102		
E	0	0
C	0	0
B	3.0	3.0

<MONITOR MAIN>

MODE PIN NO.	REC	PLAY
IC7201		
1	2.8	2.7
2	1.5	1.5
3	0	0
4	0	0
5	0	0
6	5.7	5.7

MODE PIN NO.	REC	PLAY
7	3.0	3.0
8	5.9	6.0
9	3.2	3.2
10	6.0	6.1
11	3.5	3.4
12	6.1	6.2
13	12.0	12.0
14	6.1	6.1
15	3.1	3.1
16	6.0	6.0
17	0	0
18	0	0
19	0	0
20	0	0
21	3.0	3.0
22	1.9	1.9
23	1.9	1.9
24	0	1.9
25	2.9	2.8
26	0	0
27	1.5	1.5
28	1.2	1.2
29	1.8	1.8
30	0	0
31	3.0	3.0
32	3.0	3.0
33	0.7	0.7
34	3.0	3.0
35	3.0	3.0
36	3.0	3.0
37	3.0	3.0
38	2.7	2.7
39	2.8	2.8
40	3.0	3.0
41	0	0
42	1.5	1.5
43	0	1.5
44	0	0
45	3.0	3.0
46	0	0
47	3.0	2.9
48	0	0
IC7202		
1	4.8	4.8
2	0	0
3	1.3	1.3
4	3.0	3.0
5	4.7	4.7
Q7203		
E	0	0
C	0	0
B	3.0	3.1
Q7204		
E	12.0	12.0
C	12.0	0
B	11.4	11.4

<DSC>

MODE PIN NO.	REC	PLAY
IC8001	-	-
IC8002	-	-
IC8003	-	-

MODE PIN NO.	REC	PLAY
IC8005		
1	0.4	0.4
2	0	0
3	0	0
4	0	0
5	0.4	0.4
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0.4	0.4
13	0	0
14	0	0
15	0	0
16	0	0
Q8001		
E	3.1	3.1
C	0.4	0.4
B	3.0	3.0

<USBDRV>

MODE PIN NO.	REC	PLAY
IC8301		
1	0.5	0.5
2	0	0.8
3	0	0
4	3.2	3.2
5	3.2	3.2
6	0	0
7	3.2	3.2
8	3.2	3.2
9	3.2	3.2
10	3.2	3.2
11	3.2	3.3
12	0	0
13	0	0
14	2.3	2.4
15	2.4	2.4
16	0	2.4
17	2.3	2.4
18	2.3	2.4
19	2.3	2.4
20	0	0
21	3.2	3.2
22	0	2.4
23	2.3	2.4
24	0	0.6
25	0	0.5
26	0	0.5
27	0	0.6
28	0	0.6
29	0	0.6
30	0	0.6
31	0	0
32	3.2	3.2
33	0	0.6
34	0	0
35	3.1	3.1
36	3.1	3.0

MODE PIN NO.	REC	PLAY
37	0	0
38	3.1	3.1
39	4.7	4.8
40	1.5	1.5
41	0	0
42	1.6	1.6
43	1.5	1.5
44	4.8	4.8
45	0	0
46	3.2	0
47	0	0.6
48	0	0.6
IC8302		
1	0	0.9
2	0.5	0.5
3	0	0
4	0	0

<SD>

MODE PIN NO.	REC	PLAY
IC8501	-	-

<WBSEN/SW>

MODE PIN NO.	REC	PLAY
Q1151		
E	4.2	4.2
C	0	0
B	-	-
Q2001		
E	0	0
C	0	2.1
B	2.8	0
Q2901		
E	7.0	7.1
C	0	0
B	7.0	7.1
Q2902		
E	0	0
C	0	7.1
B	0	0

<OPDRV>

MODE PIN NO.	REC	PLAY
IC4802		
1	2.9	2.9
2	2.4	2.9
3	2.4	2.4
4	0	0
5	2.4	2.4
6	2.4	2.4
7	2.4	2.4
8	4.8	4.7
IC4803		
1	1.0	1.0
2	-	-
3	-	-

MODE PIN NO.	REC	PLAY
4	-	-
5	2.4	2.4
6	2.4	2.4
7	2.0	2.7
8	4.7	4.8
IC4804		
1	2.3	4.0
2	2.4	2.3
3	2.4	2.4
4	0	0
5	2.4	2.4
6	2.4	3.0
7	2.4	0.7
8	4.7	4.8
IC4805		
1	1.1	3.9
2	2.9	2.8
3	1.9	3.0
4	0	0
5	0	2.3
6	2.7	2.4
7	2.2	2.4
8	4.8	4.7
IC4806	-	-
IC4851		
1	0	0
2	0	0.4
3	0	0
4	0	0
5	0.4	0.4
6	0	0
7	0	0
8	3.1	3.1
9	4.8	4.8
10	0	0.5
11	0	0
12	0.5	0.5
13	4.8	4.8
14	0.5	0.5
15	0	0
16	0.6	0.5
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	4.8	4.8
24	0.6	0.5
25	0	0
26	0.6	0.5
27	4.8	4.8
28	0.6	0.5
29	0	0
30	0.6	0.5
31	3.1	3.1
32	0	0
33	0	0
34	0	0
35	2.9	2.9
36	1.5	0
37	1.5	1.5
38	3.0	3.0

MODE PIN NO.	REC	PLAY
Q4801		
E	0	0
C	1.8	1.8
B	1.0	1.0
Q4802		
E	0	0
C	2.3	2.3
B	0	0
Q4803		
E	0	0
C	4.7	4.7
B	0	0
Q4804		
E	0	4.7
C	2.4	3.0
B	4.7	4.7
Q4805		
E	0	0
C	2.4	0.8
B	0	0
Q4806		
E	4.8	4.7
C	2.3	2.3
B	4.8	4.7
Q4851		
E	0	0
C	3.5	3.6
B	0	0

<CCD>

MODE PIN NO.	EE
IC5201	
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	11.6
9	0
10	12.6
11	1.4
12	1.5
13	9.9
14	-6.5
Q5201	
E	11.0
C	15.0
B	0.8
Q5202	
E	0
C	-
B	0
Q5203	
E	3.0
C	0.8
B	1.5

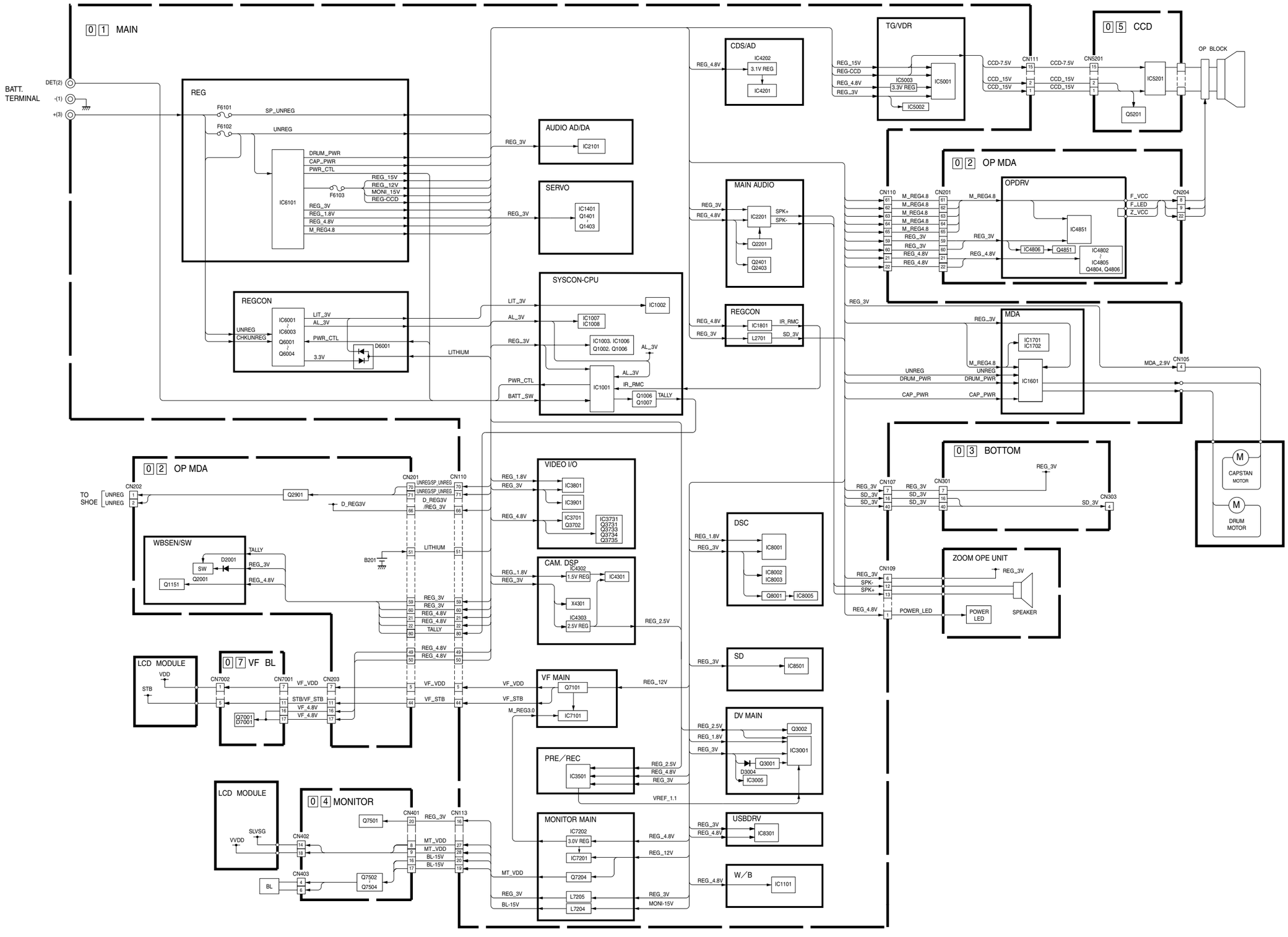
<MONITOR>

MODE PIN NO.	EE
Q7501	
1(E)	0
2(B)	3.0
3(C)	2.4
4(E)	3.0
5(B)	0
6(C)	0
Q7502	
E	-12.9
C	-12.2
B	-12.2
Q7503	
1(E)	-12.9
2(E)	-12.9
3(B)	-12.2
4(C)	-9.6
5(B)	-12.2
6(C)	-9.6
Q7504	
1(E)	-12.9
2(E)	-12.9
3(B)	-12.2
4(C)	-9.6
5(B)	-12.2
6(C)	-9.6

<VF BL>

MODE PIN NO.	EE
Q7001	
1(E)	0
2(B)	3.0
3(C)	4.7
4(E)	4.7
5(B)	0
6(C)	0
Q7002	
1(E)	0.4
2(B)	1.2
3(C)	1.2
4(E)	0.6
5(B)	1.2
6(C)	1.5

4.31 POWER SYSTEM BLOCK DIAGRAM



4.32 VIDEO SYSTEM BLOCK DIAGRAM